



Precautions



1 - Setting up

Ensure that the mains supply in your house complies with that indicated on the identification sticker located at the back of your player. Install your player horizontally, on a suitable base (furniture), with enough space around it for ventilation (7-10 cm). Make sure the ventilation slots are not covered. Do not stack other, or heavy devices on top of the player. Do not place the player on amplifiers or other equipment which may become hot. Before moving the player, ensure the disc tray is empty.

This player is designed for continuous use. Switching off the DVD player to the stand-by mode does not disconnect the electricity supply. In order to separate the player completely from the mains, it has to be disconnected by unplugging the mains plug, especially when left unused for a long period of time.



2 - Caution

Protect the player from moisture and excess heat (e.g. fireplace) or equipment creating strong magnetic or electric fields (i. e. speakers ...). Disconnect the power cable from the mains electricity supply if the player malfunctions. Your player is not intended for industrial use but for domestic purposes only. Use of this product is for personal use only. Copying CDs or downloading music files for sale or other business purposes is or may be a violation of copyright law.

DISCLAIMER OF WARRANTY: TO THE EXTENT ALLOWED BY APPLICABLE LAW. REPRESENTATIONS AND WARRANTIES OF NON-INFRINGEMENT OF COPYRIGHTS OR OTHER INTELLECTUAL PROPERTY RIGHTS RESULTING FROM THE USE OF THE PRODUCT UNDER CONDITIONS OTHER THAN AS HEREBY SPECIFIED ARE HEREBY EXCLUDED.

Condensation

If your player or a disc have been stored in a cold atmosphere, as for example during transportation in the winter, wait for approximately 2 hours until they have reached room temperature.

3 - For your safety

Never open the player or any of its components. It can be dangerous for you or for certain fragile components. You could receive an electric shock or touch the laser beam.

Do not place your eyes close to the opening of the disc tray or any other opening to look inside the player.

4 - Discs

Always handle your discs with care. Hold a disc with fingers on the border or hole.

Always place disc with the label facing upward (in case of a single-sided disc).

Always place the disc properly into the tray using the proper guide area.

Always use a soft cloth to clean discs if necessary, wipe from the centre to the border.

Always put discs back into their cases after playing and store in a vertical position.

Never try to play a Photo CD.

Never use record cleaning sprays, benzine, static electricity liquids or any other solvent, if the disc surface is dirty. Wipe gently with a soft damp (water only) cloth, never wipe the disc in a circular motion, since circular scratches are likely to occur and could cause noise during playback.

5 - Batteries

Please respect the environment and prevailing regulations. Before you dispose of batteries or accumulators, ask your dealer whether they are subject to special recycling and if he accepts to take them back.

THOMSON multimedia shall not be responsible if the player is not used according to this manual.



About discs

Discs you can play



Digital video discs

12 cm and 8 cm, single or double sided, single or dual layer. DVDs are high density optical discs on which high quality picture and audio are recorded by means of digital signals.

Regional code number



Your DVD player responds to the region management information recorded on a DVD disc. The region code for your player is region 2.



So, if you are going to buy a DVD disc, pay attention to the logo: it has to be the right one. ALL means all regions.

Other regions

1: USA, Canada - **2:** Europe, the Middle East, Rep. of South Africa, Japan - **3:** Southeast Asia, Taiwan - **4:** Central America, South America, Australia, Mexico, New Zealand
5: Russian federation, Africa (except Egypt and Rep. of South Africa), India, Pakistan
6: China.



Audio CDs

12 cm and 8 cm.



MP 3 files on Audio CDs

12 cm.



Most of recordable - CD audio

12 cm (Depending on the type of disk engraver and the disks used)



Most of rewritable - CD audio

12 cm (Depending on the type of disk engraver and the disks used)



Video CDs

12 cm and 8 cm (with or without playback control).



NTSC playback on PAL TV set

In addition to the PAL DVDs and video CDs, you may enjoy your favourite NTSC movies as well (a 60 Hz PAL compatible TV set is required) (For monitors with only NTSC input, please see page 20).

Discs you cannot play

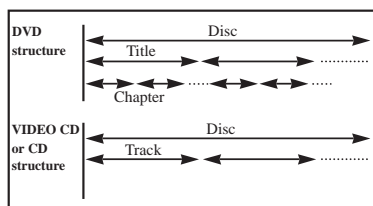


CD-I, CD-ROM, DVD-AUDIO, DVD-ROM, DVD-RAM, CDV, CD-G. DVD with regional code other than that of your player. Do not play Photo CD.

According to the disc

Functions and information available on the DVD (titles, chapters, time info, sound track languages, subtitles, ratings (age limit), camera angles and more) may differ from disc to disc.

Refer to the instructions accompanying the disc. Some discs may have been designed to prevent operations such as: Chapter skip, picture scan, and repeat play.



⊘ This symbol on-screen indicates that you have pressed the wrong key or that the requested function is not available.



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Before you start



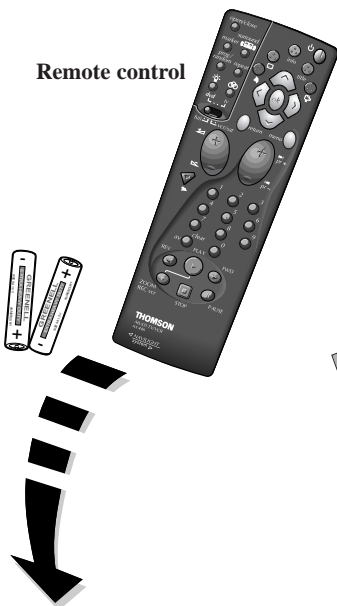
Package content

- Remove all packing and check for the items below.
- In the unlikely event that something is missing in the package, please contact your dealer.



DVD player

Remote control



Audio - Video cable

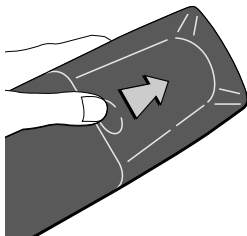


Scart cable

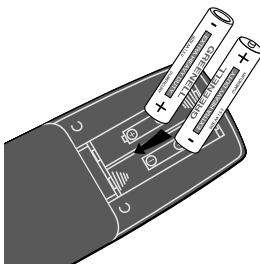


Set-up and user manual

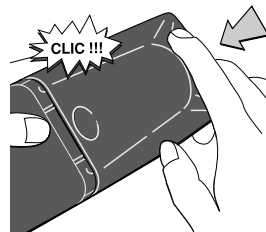
Fit the batteries



Remove the battery cover.



Fit the batteries.
Match + to + and - to -.



Refit the battery cover.

Before you start

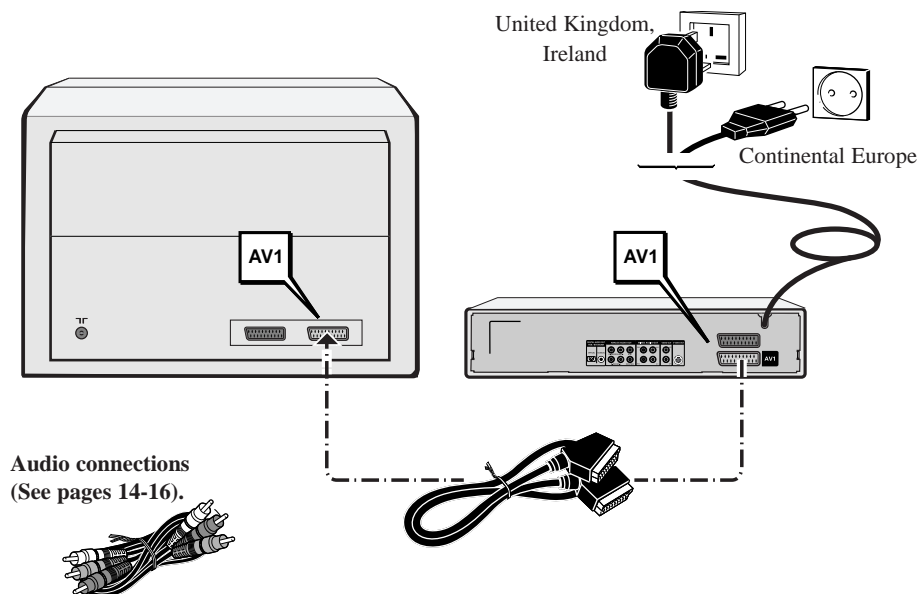


Basic connections

Connect all devices before plugging any power cords in the wall outlet. Always turn off the DVD player, TV and other devices before you connect or disconnect any cables. Make sure that colors of connectors and plugs match for the audio connection. Insert all cables firmly into their sockets.

1 Connect your DVD player to the TV with a Scart cable.

2 Connect your DVD player to the mains.



Initial set-up

- 1** Press **STANDBY/ON** on the front DVD panel or press on the remote control to switch on your DVD player.
 - The first time you turn on the DVD, the language menu is displayed. If it is not displayed, select the appropriate AV input of your TV set manually (see the manual of your TV set).
- 2** Press the appropriate **number key** on the remote control to select a language (1 for english, 2 for french, ...). If you do not press any number key, you will have to select manually all menus related to the languages.
- 3** You can now play discs. However we recommend you proceed with other set-up (p 19-20 / 34-36):
 - The menus of the player and the menus, dialogues, and subtitles of DVDs will now be in the language choosen in step 2. This choice applies to all DVDs. To change the language, see pages 17-18. To temporarily change the language of the dialogues and subtitles, see pages 26-27.

Press 1 for English
 Pressez 2 pour Français
 Drücke 3 für Deutsch
 Premere 4 per Italiano
 Pulsar 5 para Español
 Tryck 6 för Svenska

Other connections? See pages 12-16.

DVD remote control



Comfort functions

	To open or close the disc tray (page 22).
	To enjoy virtual surround sound, if you only use a stereo TV or 2 speakers (page 26).*
	To memorize scenes for replay (page 25).
	For random play and programme play (pages 30-31).*
	To repeat titles, chapters, tracks, or the whole disc (page 29).*
	Not available.
	To light the remote control buttons.

* Press key again to remove display.

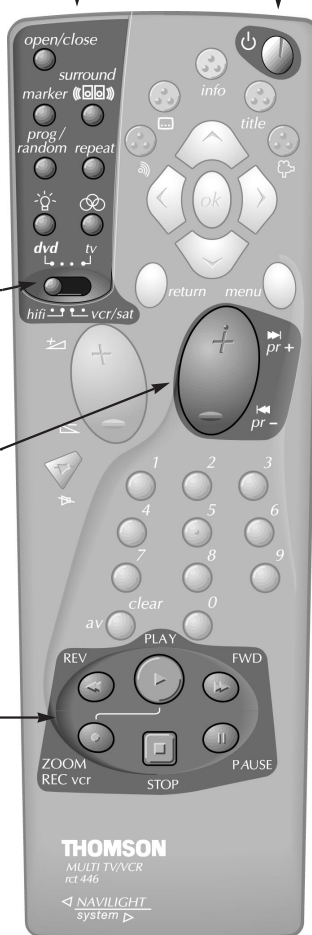
	To also use the remote control with your video-recorder, TV set, satellite receiver or amplifier (pages 42-43).
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Playback

	To skip chapters or tracks (pages 25-33).
	To start playback (page 24).
	For fast reverse or forward and visual search (while playing) in both directions (page 22).
	To stop a disc (to stop completely press twice).
	For pause / still picture, frame advance, and slow motion (page 23).
	To zoom-in during playback, slow motion or pause mode on the selected area of a scene (page 28).

Power / Stand-by

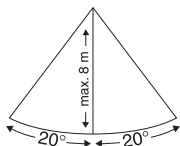
To switch your player on and off.



DVD remote control



Selections via menu



Displays (on and off) the dialogue language name abbreviation and the audio format on-screen (page 26).*



Displays (on and off) the subtitle language name abbreviation on-screen (page 27).*



Displays (on and off) the disc's special features on-screen (pages 8-9-25).*



Displays (on and off) the disc's contents on-screen (page 8-24).*



Displays (on and off) the camera point of view number on-screen (page 28).*

* If available

Menu operation

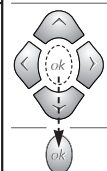


Displays (on and off):

- the disc's menu (if available) during playback (page 26),
- the player's set-up menu after having stopped a disc with the STOP key (page 8, pages 17-18).

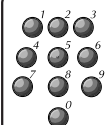


To go back in menu levels (p. 17).



Arrows move to items.

Confirms a selection.



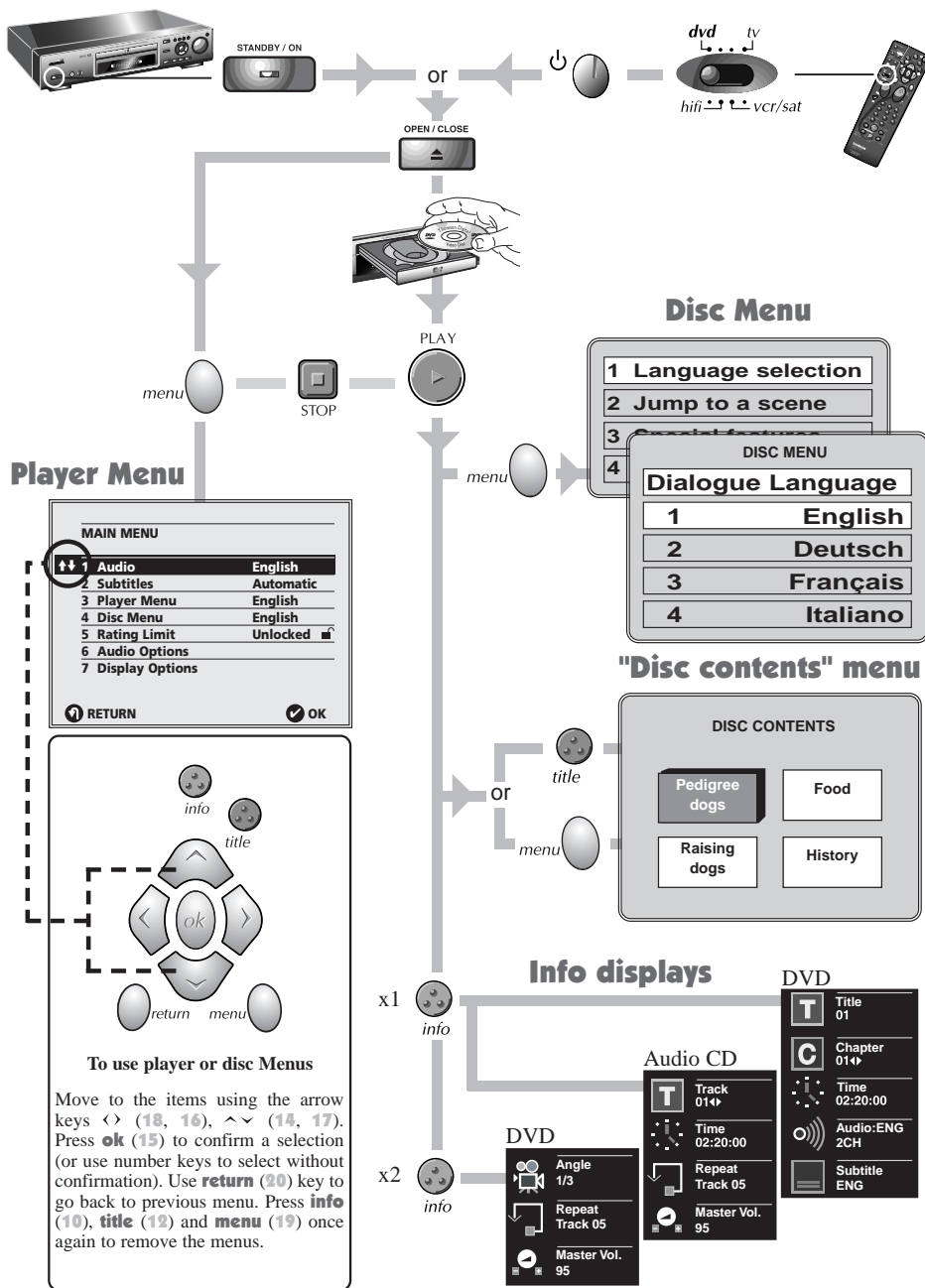
Use the number keys to input chapter or track numbers or to select menu items.



Clears on-screen displays
Clears markers in the marker on-screen display (p. 25).
Clears program, repeat and random play. (p. 29-30).

Read pages 42-43 on the UNIVERSAL remote control to operate your video-recorder, TV set, satellite receiver or amplifier.

Menus



Info displays

This page gives you an overview of the possible information available on a disc.



PLAY



- 1 Press **PLAY (27)**, to play a disc.
- 2 Press:
 - 1x yellow **info** key (**10**) for Info level 1,
 - 2x yellow **info** key (**10**) for Info level 2.



info

info key pressed once / Interactive screen



With DVD disc

T Title 01	Title 01 is being played p.25
C Chapter 01	Chapter 01 is being played p.25
Time 02:20:00	Elapsed time from the beginning of the current title p.25
Audio:ENG 2CH	Audio language p.26
Subtitle ENG	Subtitle language p.27

With audio CD or video CD

T Track 01	Track number 01 is being played p.25
Time 02:20:00	Elapsed time from the beginning of the current track p.25
Repeat Track 05	Track 05 is Repeated p.29
Master Vol. 95	Adjust the volume. p.22

DVD

Language abbreviations used in the player's menus.

See pages 26 & 27.

ARA _____ Arabic	ITA _____ Italian
CHI _____ Chinese	JPN _____ Japanese
CZK _____ Czech	NLD _____ Dutch
DAN _____ Danish	NOR _____ Norwegian
DEU _____ German	POL _____ Polish
ENG _____ English	POR _____ Portuguese
ESP _____ Spanish	RUS _____ Russian
FRA _____ French	SVE _____ Swedish
FIN _____ Finnish	TUR _____ Turkish
GRE _____ Greek	ZAF _____ Afrikaans
HUN _____ Hungarian	*** _____ Other
IND _____ Hindi	



info

info key pressed twice / Interactive screen

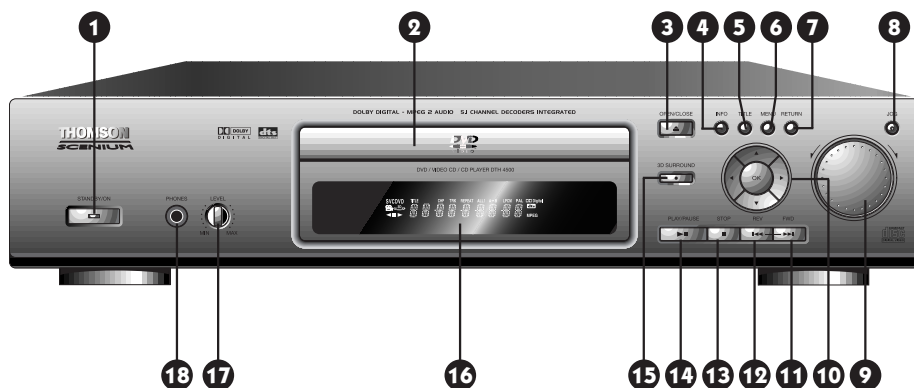
With DVD disc

Angle 1/3
Repeat Track 05
Master Vol. 95

- For some DVDs which offer a DVD menu, you can also press the **menu** key (**19**) during playback and follow the steps offered by the disc-specific menu to make your dialogue, subtitles, language selection according to what is available on that particular disc.

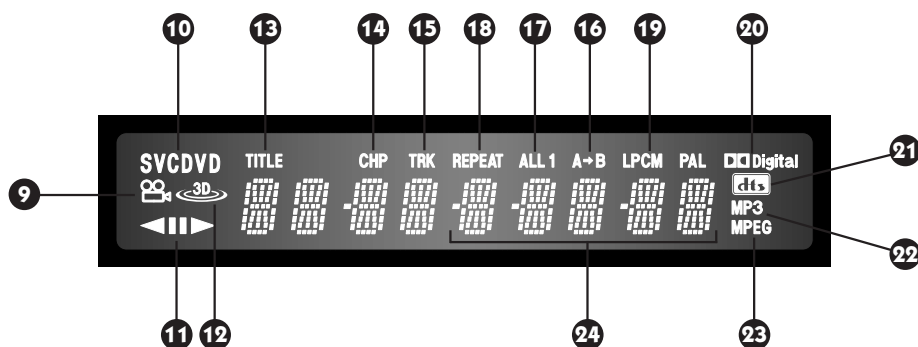
Angle 1/3

Camera angle number 1 (out of x available on that disc) is being played p.28



- 1 STANDBY/ON:** Use to turn the power on and off.
- 2 DISC TRAY**
- 3 OPEN/CLOSE:** Press to open and close the disc tray.
- 4 INFO:** Displays the information banner for the disc that is currently playing (p. 9).
- 5 TITLE:** Use to access the disc guide (if available). Introscan for CD Audio/CD video (p. 7).
- 6 MENU:** Use to access the disc menu (if the disc is playing) or the player menu (if disc is stopped) (p. 8).
- 7 RETURN:** Return to the previous menu screen.
- 8 JOG:** Use to access certain features of Shuttle: when JOG is pressed indicator lights up (frame advance/CD track selection) (p. 23-24).
- 9 Shuttle:** Use during DVD and CD play to fast forward or reverse (p. 23-24).
- 10 Arrows and OK:** To select and confirm the current menu setting.
- 11 FWD:** Allows you to move to the beginning of the next title, chapter, or track on a disc (in effect, "skipping" the title, chapter, or track). Press and hold to forward through the DVD or CD; each subsequent press and hold increases the forward speed (p. 24).
- 12 REV:** Allows you to move to the beginning of the preceding title, chapter, or track on a disc (in effect, "skipping" the title, chapter, or track). Press and hold to reverse through the DVD or CD; each subsequent press and hold increases the reverse speed (p. 24).
- 13 STOP:** Stops disc play.
- 14 PLAY / PAUSE:** Begins disc play (and closes disc tray if open), or pauses disc play.
- 15 3-D SURROUND:** Allows you to turn the 3-D Virtual Surround feature on and off (p. 26).
- 16 Front Panel Display:** (See following page for details).
- 17 PHONE LEVEL:** Sets the volume level of the headphones.
- 18 Headphone jack:** Attach headphones here for private listening.

and display

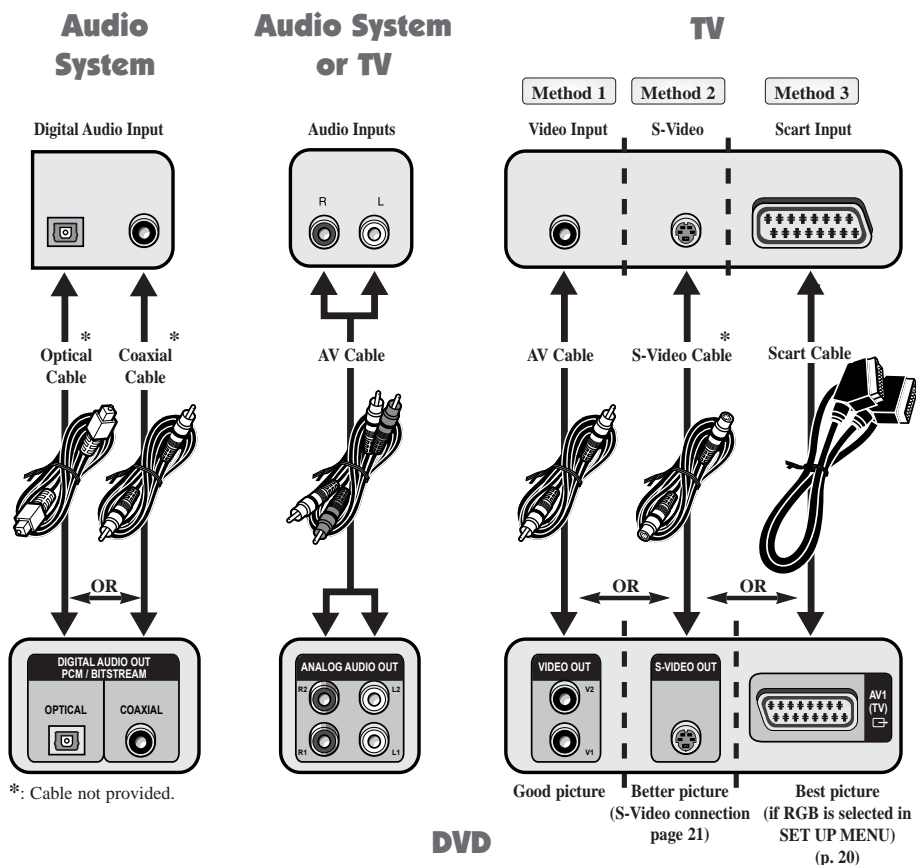


- 9** Indicates that the **Angle feature** is available (you can select multiple angles of a scene recorded by different cameras)..... page 28
- 10** Indicates a **video CD (VCD)**, **audio CD (CD)** or **DVD (DVD)** disc is loaded in the player.
- 11** Indicates **playback direction**.
- 12** Lights when **3-D Surround** is turned on, page 26
- 13** Indicates repeating or programming of the **titles**, with **REP**, **ALL** and **PROG**. page 29
- 14** Indicates repeating or programming of the **chapters**, with **REP**, **ALL** and **PROG**. page 29
- 15** Indicates repeating or programming of the **tracks**, with **REP**, **ALL** and **PROG**. page 29
- 16** Indicates that the **A-B Repeat** is in use. page 29
- 17** Indicates that the **Repeat All feature** is in use (**ALL1**). page 29
- 18** Indicates that the **Repeat mode** is set (**REPEAT**). page 29
- 19** Indicates that **LPCM sound** is available on DVD disc.
- 20** Indicates that **Dolby Digital sound** is available on DVD disc.
- 21** Indicates that **DTS (Digital Theater System) sound** is available on DVD disc.
- 22** Indicates that **MP3 sound** is available on CD-R/CD-RW disc.
- 23** Indicates that **MPEG-2 audio sound** is available on DVD disc.
- 24** Indicates the **DVD modes**: *PLAY, STOP, LOAD, RANDOM, NO DISC*:
ex: Load: The player is loading information from the disc.

Video and Audio connections



Connections to an Audio system or / and a TV



*: Cable not provided.

When using the S-Video or video (cinch) connection,

(Not required when using the SCART connection).

Manually select the correct AV input and the TV screen aspect on your TV set: 4 x 3 or 16 x 9 (see your TV user's manual).

In this case, do not connect any device to the AV2 socket of the DVD player, because the picture of this other device will not appear on your TV screen.

If the S-Video / RGB SCART socket is not free.

You need a special S-Video cable (not provided) for the video connection and a Cinch cable for audio left and right inputs (provided).

Connect your DVD player to your TV set with only one video cable - either SCART, or S-Video, or Video (Cinch).

Video connections



Possible connections to other Video devices

In order to ensure high picture quality, first connect your DVD player directly to your TV set, and then perform the connections to your other audio / video equipment.

Also consult the user's manual of additional devices for further information.

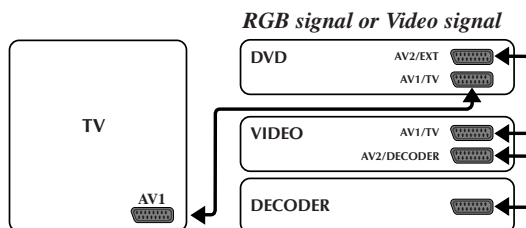
See page 20, SCART Output selection for AV1:

Video / S-Video / RGB.

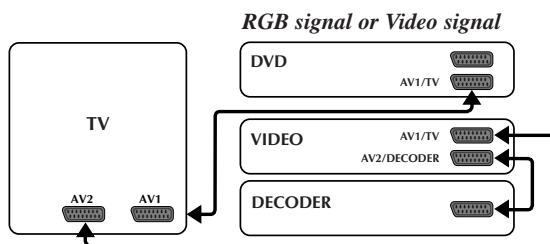
DVD copy protection

In accordance with the DVD standard, your DVD player is equipped with a Copy Protection Device, which can be triggered on and off by the DVD disc itself, in order to make any recording of the concerned DVD disc onto a videotape of very poor picture quality, or even impossible. "This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home use only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited."

A Connecting a video recorder and a decoder (for pay TV)

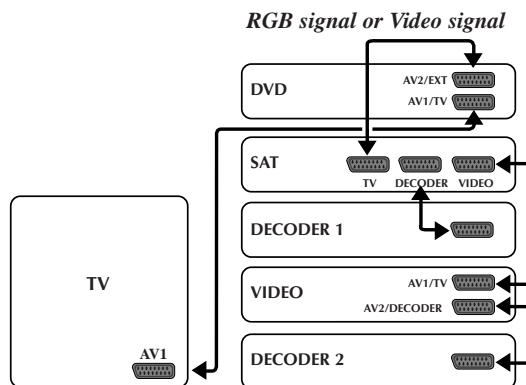


B Connecting to a TV with two SCART sockets



Only if VIDEO and DECODER do not need to display their Menus via RGB TV input.

C Connecting a satellite receiver, video recorder and decoders



Audio connections



Possible connections to other Audio devices

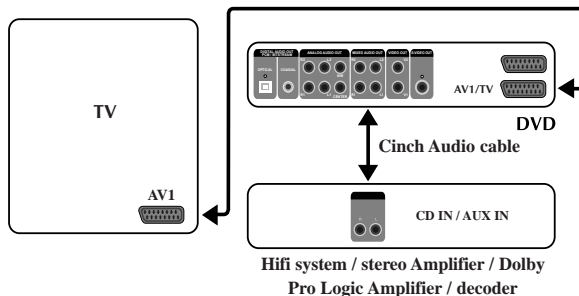
A Connecting a mini HiFi system, a stereo amplifier or a Dolby Pro Logic Amplifier / Dolby Decoder

Analog connection:

- The SCART connector delivers the same audio content as the 2 cinch audio out jacks.

Reading a DVD disc whose selected track is in Dolby Surround, Dolby Digital or multichannel MPEG:

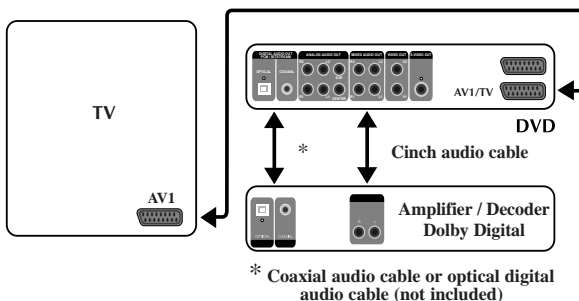
- Activate the Dolby ProLogic decoding mode on your amplifier.



B Connecting a 5.1 channel Amplifier / Dolby Digital Decoder

Dual connection: digital and analog.

- Select the type of digital audio output in the set-up menu (see page 16) to deliver:
- In digital: the Dolby Digital as a digital data "BITSTREAM".
- In digital for the DTS (Digital Theater Systems) signal, select DTS ON.
- In analog: the multichannel MPEG-2 audio signals, as an analog PCM stream.

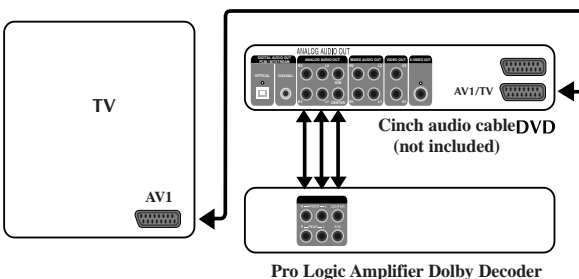


C Connecting an "advanced"* 5.1 channel Dolby Pro Logic Amplifier / Decoder

Analog connection with 6 cinch jacks (cables not included)

Playing a stereo CD audio disc (PCM) or a DVD disc whose selected track is Dolby Pro Logic Surround:

- On the DVD player, configure the speakers in (the "Speakers" menu, p. 37-39. The DVD player will decode the Dolby Digital 5.1 channels, just like an external decoder.



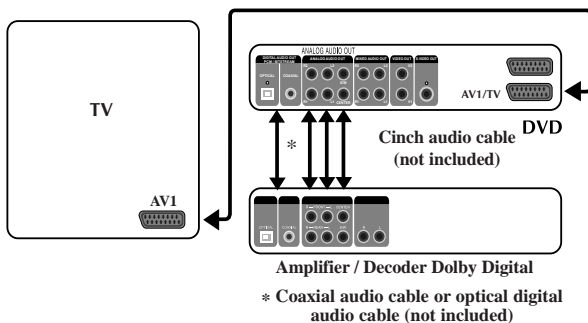
Audio connections



D Connecting an “advanced”* 5.1 channel Amplifier / Dolby Digital Decoder without a multichannel MPEG-2 decoder and with DTS decoder

Dual connection: digital and analog.

- Select the type of digital audio output in the set-up menu (see page 16) to deliver:
- in digital: the Dolby Digital as a digital data “BITSTREAM”
- in digital for the DTS (Digital Theater Sound Systems) signal, select DTS ON.
- in analog: the multichannel MPEG-2 audio signals, as an analog “PCM” stream.



- Then configure the speakers:
 - on your **DVD player** (see pages 37-39) for **MPEG-2 audio discs**.
 - on your **Amplifier / Decoder** (refer to its documentation) for **Dolby Digital discs**.
 - to read the 5.1 channel MPEG-2 audio discs on a DVD disc, turn on the **advanced** input (5.1 channel analog) on the **amplifier** to be able to use the DVD player's MPEG-2 decoding.



Dolby Digital
“Dolby”, “Dolby Digital”, and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Copyright 1992 1997 Dolby Laboratories Inc. All rights reserved.

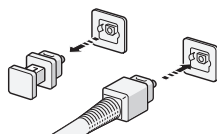


DTS is a digital Sound compression technique. “DTS” and “DTS Digital” are trademarks of Digital Theater Systems, Inc.



Logo registered by PHILIPS Corp.

When connecting the optical audio digital cable:



1. Remove the protection cap from the connector and connect it firmly as shown on the drawing.
2. Keep the protection cap and always reattach the cap when the connector is not in use, to keep it dustfree.

Audio connections

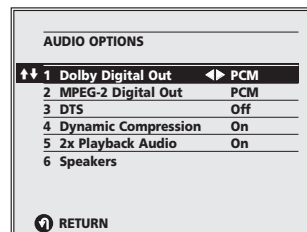


Digital audio output

According to the audio devices connected to the digital output of this player (coaxial or optical), select one of these options.

- See also the Audio connection pages 12-15.

- 1 If a disc is playing, press **STOP** (29).
- 2 Call the “**MAIN MENU**” with the **menu** key (19).
- 3 Select “**Audio Options**”; press key number **6** (24).
- 4 Select the menu items with the number **1**, **2** and **3** numeric keys and set with the **<** **>** arrows (18, 16).
- 5 To exit “**MAIN MENU**”, press **return** (20) twice.



Available Digital Decoder →	Dolby Digital	MPEG2	DTS
menu items →	1	2	3
CONNECTIONS: ↓			
dubbing*: DVDs to DAT or MD	PCM	PCM	Off
Dolby Digital decoder	Bitstream	PCM	Off
MPEG2 decoder	PCM	Bitstream	Off
Dolby Digital + MPEG2 decoder	Bitstream	Bitstream	Off
(older) D/A -converter**	PCM	PCM	Off
nothing connected	without importance		Off
DTS decoder	PCM	PCM	On

* If the DVD disc contains an audio format of higher quality than 48kHz/16bit (maybe 96kHz/ 24bit), the player has to convert into a format compatible with DAT or MD.

** In this case you do not hear the highest sound quality possibly recorded on the disc (via the AUDIO OUT analog output neither).

Caution for the optical / coaxial digital audio output connector:

- When connecting an amplifier (with an optical/coaxial digital input connector) which does not contain the Dolby Digital decoder or DTS decoder, be sure to select:
 - “Dolby Digital” = PCM
 - “DTS” = Off
- of the initial setting “Digital Audio Out”. (See above.)

Do not use ...

the “Digital Audio Out” jacks to connect to an equipment other than a Dolby Digital, DTS, or MPEG 2 receiver or a suitable decoder. Such a connection can create a high level of noise that may be harmful to your ears, and could damage headphones or speakers. Older digital equipment, some of which are not fully compliant with IEC 958, are likely to cause this problem.

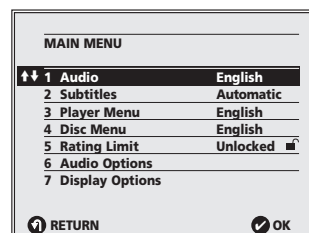
If you encounter this problem, use the “digital audio out” menu (see above) to convert the Dolby Digital digital audio bitstream output to linear PCM. The same should be applied with the so-called “optical or coaxial REC.OUT jack” of Dolby Digital decoders, when they are connected to this DVD player. Since REC.OUT is a 1: 1 copy of the decoder's input, no other equipment should be connected there.

Preferred languages



Set-up menus

- 1 If a disc is playing, press **STOP (29)**.
- 2 Call the “**MAIN MENU**” with the **menu** key (**19**).
- 3 Make your selection with the **<**, **>**, **^**, **v** arrows (**14**, **16**, **17**, **18**).
- 4 Use **ok** (**15**) to confirm a selection (or use number keys (**24**) to select and confirm at once).
- 5 Use **return** key (**20**) to go back to previous menu.

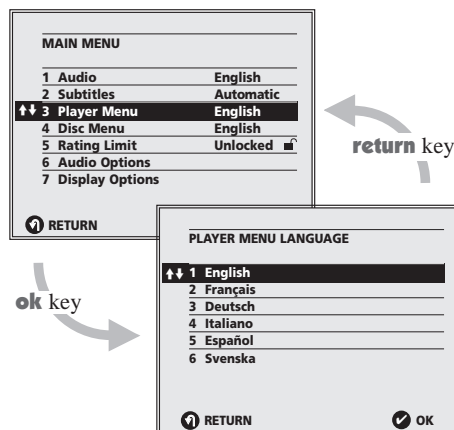


- **1 Audio** to set preferred dialogue language.
- **2 Subtitles** to set preferred subtitle language.
- **3 Player Menu** to set language of the player menu.
- **4 Disc Menu** to set language of the disc menu.
- **5 Rating Limit** to set parental lock level to skip over scenes that may be unsuitable.
- **6 Audio Options** to set audio option according to the connected devices (p 16-36).
- **7 Display Options** to set screen options according to the connected TV (p 19-21 / 34-35).

Player menu language

Configure this setting if you want to change the language of the player's menus (not necessary after initial set-up, page 5).

- 1 If a disc is playing, press **STOP (29)**.
- 2 Call the “**MAIN MENU**” with the **menu** key (**19**).
- 3 To change player menu language, select “**Player Menu**”; press key number **3** (**24**).
- 4 Make your selection with the **number** keys (**24**).
- 5 Press **return** (**20**) to exit “**MAIN MENU**”.
 - If you want to exit set-up menu, press **return** (**20**) (repeatedly).



Preferred languages



Your preferred languages on discs

Your preferred languages for dialogues, subtitles and menus are those that the player selects for you automatically for all discs (if available). Of course you can change them for each disc (page 26-27).

There is no need to make the following settings, as language selection during basic set-up (page 5) has automatically performed these settings:

If you selected “**English**” you now have:

- the main menu, in English,
- the menus of the disc, in English (if available),
- the language of the dialogues, in English (if available),
- subtitles in English automatically (if available), if there are no dialogues in English.

If there is no English on the disc for menus, dialogues, and / or subtitles, the player selects the default language of the disc.

- 1 If a disc is playing, press **STOP** (29).
 - 2 Call the “**MAIN MENU**” with the **menu** key (19).
 - 3 Select the language you want.
 - a For the Audio dialogue language press key number **1** (24).
 - If “**Original**” is selected, the player will choose the language defined as priority on the disc.
 - b For the Subtitle language press key number **2** (24).
 - If “**Automatic**” is selected, the player will choose the same language as under “**Audio Preference**” for subtitles.

That means, if your preferred dialogue language (Audio) is available, subtitles are not shown and if your preferred dialogue language is not available on the disc, subtitles are shown (if available).

 - c For Disc menu language press key number **4** (24).
- 4 **Make your selection with the number keys. The previous menu is then displayed (step 2).**
 - If your language is not listed in the menu, select “**Others**” and select the preferred language from the list.
 - 5 To exit “**MAIN MENU**” press **return** (20).

MAIN MENU	
1 Audio	English
2 Subtitles	Automatic
3 Player Menu	English
4 Disc Menu	English
5 Rating Limit	Unlocked
6 Audio Options	
7 Display Options	
RETURN	OK

AUDIO LANGUAGE	
1 English	
2 Français	
3 Deutsch	
4 Italiano	
5 Español	
6 Svenska	
7 Original	
8 Others	
RETURN	OK

SUBTITLE LANGUAGE	
8 Automatic	
1 English	
2 Français	
3 Deutsch	
4 Italiano	
5 Español	
6 Svenska	
7 Others	
RETURN	OK

DISC MENU LANGUAGE	
1 English	
2 Français	
3 Deutsch	
4 Italiano	
5 Español	
6 Svenska	
7 Others	
RETURN	OK

DISC MENU LANGUAGE	
Cesky	Afrikaans
Dansk	Arabic
Magyar	Chinese
Nederlands	Greek
Norsk	Hindi
Polski	Japanese
Português	Russian
Suomi	Turkish
RETURN	OK

Picture setting



"4 x 3" / "16 x 9" TV screen



Select picture format according to your TV screen, Wide-screen (16 x 9) or conventional size (4 x 3) (see p.50).

- 1 If a disc is playing, press **STOP** (29).
- 2 Call the "MAIN MENU" with the **menu** key (19).
- 3 Select "Display Options", press key number **7** (24).
- 4 Select "Screen Format", press key number **1** (24).

5a You have a classical (4x3) TV screen.

Press key number **2** (24), if you want to see the total 16x9 screen.

- With a 16x9 movie, you will see black strips appear at the top and bottom of the screen.

Press key number **1** (24), if you want to see the central position of the 16x9 screen (the sides of the 16x9 movie picture may be cut off).

- With a 4x3 movie, you will have the full size picture.
- The screen format is defined by the DVD disc and it might be impossible to modify it.

5b You have a wide-screen (16x9) TV set.

Press key number **3** (24).

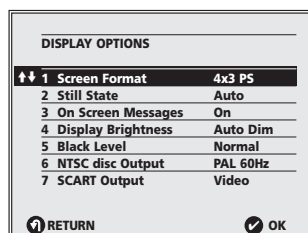
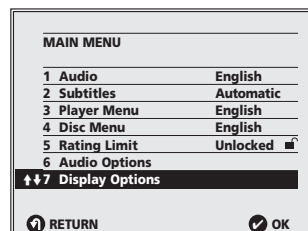
- With a 16x9 movie you will have the full size picture.
- With a 4x3 movie you will see black strips appear at left and right side of the screen.

- 6 To exit "MAIN MENU" press twice **return** key (20).
- On some DVD discs, the screen ratio may be fixed and cannot be changed.

• TV zoom function

Do not use the zoom function on your TV for this set-up, as parts of the picture and menu could be hidden.

- When using the S-video or video connection, unlike when using the SCART connection, the TV screen aspect has to be selected manually on your TV set.
- Use the arrows **^** **v** (14, 17) for selection and press **ok** (15) to confirm.



(4x3) TV screen.



16x9 movie



4x3 movie

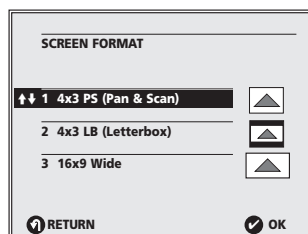
(16x9) TV screen.



16x9 movie



4x3 movie



GB

Picture output



Select what kind of signal the player will supply to the SCART input of your TV set. Refer to your TV's user manual to see what kind of high quality picture format that your TV can receive via the SCART socket.

- See Video connections pages 12-13.
- Be sure to have performed the appropriate settings on your TV too.
- Use the arrows $\wedge \vee$ (**14**, **17**) for selection and press **ok** (**15**) to confirm.
- If your TV can receive s-video (Y/C) and RGB via SCART socket, select RGB (player and TV).

SCART Output

- 1 If a disc is playing, press **STOP** (**29**) then display the "MAIN MENU" with the **menu** key (**19**).

- 2 Select "Display Options", press key number **7** (**24**).

- 3 Select "SCART Output", press key number **7** (**24**).

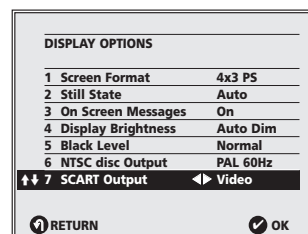
- 4a If your TV can receive RGB, select "RGB" (recommended selection) with the $\langle \rangle$ arrows (**18**, **16**).

- 4b If your TV can receive s-video (Y/C) via the SCART socket, select "S-Video" with the $\langle \rangle$ arrows (**18**, **16**).

- 4c If your TV can only receive normal (composite) video data via the SCART socket, select "Video" with the $\langle \rangle$ arrows (**18**, **16**).

- 5 To exit "MAIN MENU", press twice **return** (**20**).

- If you want to playback your DVD in S.VHS quality, you must select "S-Video" for the SCART signal output to your TV (If RGB is selected, there will be no output on the S-Video Hosiden plug or SCART AV2 connector) (see page 21).



NTSC Disc Output

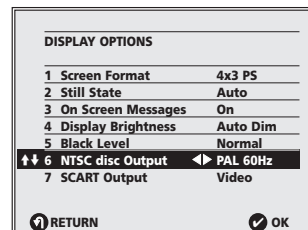
- 1 If a disc is playing press **STOP** (**29**) then display the "MAIN MENU" with the **menu** key (**19**).

- 2 Select "Display Options", press key number **7** (**24**).

- 3 Select "NTSC Disc Output", press key number **6** (**24**).

- 4 If your monitor has only a NTSC video input, select "NTSC", using $\langle \rangle$ arrows (**18**, **16**). If not, leave "PAL 60 Hz" (default setting: ex factory).

- 5 To exit "MAIN MENU", press twice **return** (**20**).



Picture output S-Video



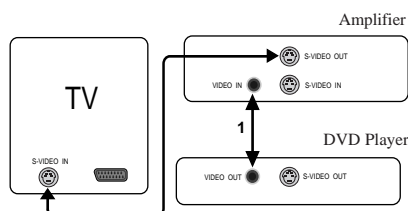
S-Video link between the DVD player and an amplifier

In order to link your DVD player up to an S-Video compatible Home Cinema system, you will need to enable S-Video output through the Scart and S-Video (Hosiden) sockets, and change the factory settings of the Scart output of your DVD player from RGB to S-Video, by following steps 1 to 7 below in the Display Options menu.



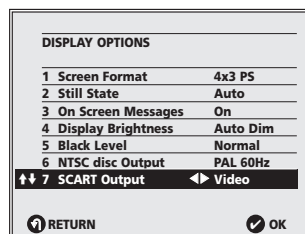
Connecting the unit

- 1 - Connect the DVD player (video out) to the amplifier (video in) via the twin yellow plugs of the Audio/Video Cinch/Cinch cable supplied with the DVD player.



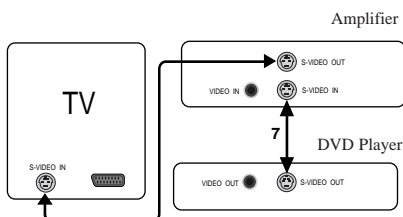
Configuring the DVD player to S-Video

- 2 - Call up the **MAIN MENU** with the **menu** key (19) on the remote control.
- 3 - Select **Display Options** by pressing **7** (24).
- 4 - Select **SCART Output** by pressing **7** (24).
- 5 - Select **S-Video** using the arrow keys < > (18, 16).
- 6 - Press **return** (20) twice to leave the menus.



Final connections

- 7 - Unplug the Cinch-Cinch cable (see Step 1 above) and connect the DVD player to the amplifier by means of an S-Video cable (not supplied).



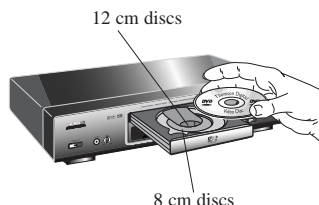
Basic play



Playback

Switch on your DVD player and TV set. Select the correct AV input on your TV, if necessary. You may also turn on your hifi system and select AUX, CD or DVD (properly connected to the player). Please see pages 24-33 for audio CD / video CD specials.

- 1 Open the disc tray with the **OPEN / CLOSE** key on the set or on the Remote Control.
- 2 Place a single-sided disc with label facing upwards. (double-sided discs have a small label on both sides near the center).
- 3 Press **OPEN / CLOSE** again to close the drawer.
 - Some discs may display a menu automatically: Follow on-screen help.
 Choose a menu item with the **<>**, **^** **v** arrows (**18**, **16**, **14**, **17**). Press **ok** (**15**) to confirm.
- 4 To start playback, press **PLAY** (**27**).
To start playback from a specific title/chapter/track, press yellow **info** key (**10**).

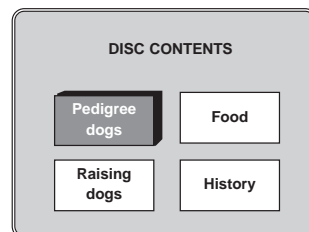


Resume memory

- 1 Press **STOP** key (**29**) once to stop playback.

The player has memorised the last scene on the disc. If you now press **PLAY** (**27**), playback starts from this point. To erase **Resume memory**, press **STOP** (**29**) twice or take the disc out. **Resume memory** does not work with interactive discs (without elapsed play time information).

- If the player is left in STOP mode for more than 1 minute without any user interaction, a screen saver will be activated (fade in, fade out).
- After about 30 minutes have elapsed in STOP mode without user interaction, the player will be automatically switched off.

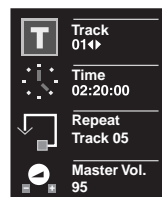


Master volume

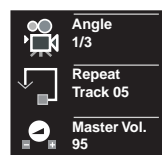
The different types of discs (DVD, Audio CD, Video CD) may differ a lot at volume level. This function allows you to harmonize them. Do not reduce the volume under 95 if you are listening to an audio CD with DTS.

- 1 Press **PLAY** (**27**) to start playing the disc.
- 2 Press yellow **info** key (**10**) once for CD, twice for DVD; the info strip will be displayed.
- 3 Move to master volume "**🔊**" with the **v** arrow (**17**).
- 4 Set the volume level with the **<>** arrows (**18**, **16**).
- 5 Exit the display with the yellow **info** key (**10**) (press once).
 - Repeat these steps for each disc category: DVD, audio CD, and video CD.

audio CD, video CD



DVD

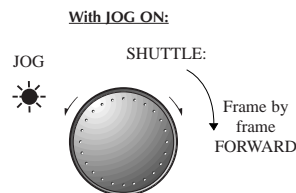


Basic play



Stills and frame advance (DVDs and Video CDs)

- 1 Press **PLAY** (27) to start playing the disc.
- 2 To make a still, press **JOG** button **ON** (the button lights up).
- 3 To see the pictures
- 3a Press **PAUSE** (30) on the remote control repeatedly, to see the pictures one after another.
 - **PLAY** key (27) resumes playback.
- 3b Turn the **SHUTTLE** dial to go from one picture to another (only forward motion is possible).
 - If the player is left for 5 minutes in PAUSE mode, it will STOP.



Slow motion (DVDs and Video CDs)

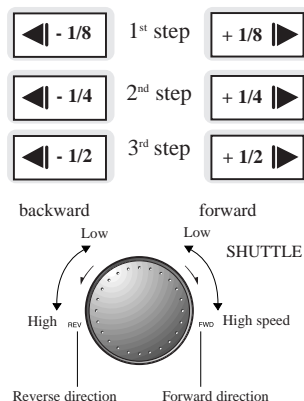
- 1 Press **PLAY** (27) to start playing the disc.
- 2 Press **PAUSE** (30) for a still.
- 3 Start backwards or forwards slow motion using **REV** (26) or **FWD** key (28).

a On the remote control:

- Press repeatedly for higher speeds (3 steps).
- **PLAY** key (27) resumes playback.

b On the main unit (with JOG off):

- Turn SHUTTLE dial (3 speeds).
- **PLAY** key (27) resumes playback.



Chapter / track skip (For Video CDs: See page 33)

During playback to skip to next or previous chapter / track.

a On the remote control: (DVDs, Audio CDs)

- Press **||◀◀** (21) once to skip to the beginning of the current chapter / track (twice for the previous one).
- Press **▶▶||** / **||◀◀** (21) repeatedly to go to the next or previous track/chapter; press as many times as the number of required track/chapter skips.

b On the main unit: (Audio CDs)

- 1 Press **JOG** button **ON** (the button lights up).
- 2 Turn the **SHUTTLE** dial for direct track access (CD Audio).



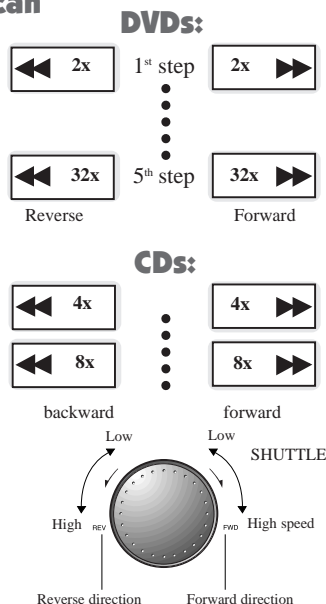
- No sound will be heard on discs during STILLS and FRAME ADVANCE and SLOW MOTION.
- No reverse slow motion for Video CDs.

Scene Access



Fast motion Playback / Picture and track scan

- 1 Press **PLAY** (27) to start playing a disc.
- 2 Start Reverse or Forward fast motion playback:
 - a On the Remote Control:
 - Using **REV** key (26) or **FWD** key (28).
 - Press repeatedly for higher speeds (DVD: x2, x4, x8, x16, x32 - CD: x4, x8).
 - b On the main unit:
 - Using **REV** key (26) or **FWD** key (28).
 - During playback, press repeatedly on the **"SKIP/SEARCH"** keys to reverse ◀◀ (21) or forward ▶▶ (21).
 - Each subsequent "press and hold" increases the speed (up to 5).
 - While in search mode on DVD no sound will be heard, except in (2x), if proper selection has been made (p 36).
 - **PLAY** key (27) resumes playback.
- Using the shuttle button (with JOG off)
 - Turn shuttle dial (5 steps for DVD, 2 for CD)
 - **PLAY** key (27) resumes playback.



Audio CD: Direct Access to a track (without TV screen)

- 1 Enter the desired track number with the **number** keys (24).

Audio CD: Introscaan

With Introscaan, you can listen to the beginning of each track for about 10 seconds.

- 1 Press blue **"title"** key (12) on the remote control during CD playback. **"Intro"** will appear on the top left corner of the TV screen (**"INTRO"** appears on the display of the player).

Video CD: Track View / Index View

Desired music or video display can be accessed directly without using the menu function.

- **Track View** is used for showing the beginning view of each track and the track number.
- **Index View** is used for showing the 9 views of the current playing track.

- 1 Press blue **"title"** key (12) during playback.
- 2 Press the ▲▼ arrows (14, 17) to select **"Track View"** or **"Index View"**.
- 3 Press **ok** (15) to confirm.
- 4 Select the desired view with the ▲▼ (14, 17) or ◀▶ (18, 16) arrows.
- 5 Press **ok** (15).



When in VCD 2.0 mode with Playback Control this function does not work. In stop mode, press blue **"title"** key (12) and display the **"Track View"** directly.

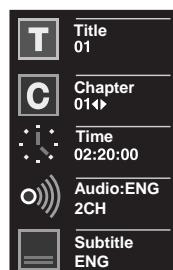
Scene Access



Titles, chapters, tracks, or elapsed time

A DVD may contain several titles, which could be different movies or video programmes. These titles may be divided into chapters each of which is numbered, to provide quick access to specific parts of the DVD. Tracks give you a quick access to specific parts of the audio CD and video CD.

- 1 Start playback with the **PLAY** key (27).
- 2 Press yellow **info** key (10).
- 3 Select "**T**" (title), "**C**" (chapter), "**[Icon]**" (elapsed time), "**[Icon]**" (audio) or "**[Icon]**" (Subtitles) with the **^** **v** (14, 17) arrows.
 - Some discs cannot be searched, even if the elapsed time is displayed.
- 4 Select titles / chapters / tracks with the **<** **>** arrows (18, 16) or directly enter a figure with the numeric keys.
 - If you select an amount of time not existing on the disc, "0" may then appear on-screen.
- 5 Press **ok** (15) to start playback.
- 6 Press yellow **info** key (10) twice to exit the display.



Markers (DVDs and Video CDs)



The player can memorise up to 3 locations on the disc, as long as the disc remains loaded. This function operates only with discs showing the elapsed time (not on Video CD with PBC - Menu "ON" mode).

- 1 During play, press **marker** key (4) on the remote control. The "**marker**" display appears on-screen.
- 2a **Placing markers** (3 maximum)
 - 1 Select one of the 3 marker fields with the **<** **>** arrows (18, 16).
 - 2 To place the marker, press **ok** (15) as soon as you see the wanted scene. A number now appears in that marker field.
 - "—" indicates: no marker has been recorded yet.
- 2b **To play a marked scene**
 - 1 Select one of the numbered marker fields using **<** **>** arrows (18, 16).
 - 2 Press **PLAY** (27), playback starts from the marked point. Some subtitles around the marked point may fail to appear.
- 2c **To erase a marker**
 - 1 Select one of the numbered marker fields you want to delete using **<** **>** arrows (18, 16).
 - 2 Press **clear** key (25) to delete a bookmark number.
- 3 Exit the display with the **marker** key (4).



Markers are cleared when the tray is opened and / or when power is turned off.

3-D Surround / Dialogue languages



Virtual 3-D Surround Sound (for DVDs, Video CDs, Audio CDs)

If you use a stereo TV or a two-channel stereo system, be sure that in the audio options of the setup menu, “Dolby Digital Out” and “MPEG-2 Digital Out” are set to “PCM” (see page 16).

- 1 Press **PLAY** (27) to start playback.
- 2 Press **surround** “” key (6) on the remote control, to display the 3-D surround sound strip.
- 3 Press the $\wedge \vee$ arrows (14, 17) to change the setting.
- 4 Press **surround** “” key (6) to remove the display.
 - For optimum effects it is recommended that the distance between the TV set and the listening position should be about 3 or 4 times the distance between the front speakers.
 - Turn off the TV set surround sound and other surround effects (HiFi system).
 - 3-D surround does not work with LPCM or DTS sound tracks of DVD discs, or with DTS track of Audio CDs. It is possible only on DVDs with Dolby Surround or Dolby Digital.
 - This feature only operates from the Analog Audio out and from the Scart connector. It will not operate from the Digital Audio Out (coaxial / optical), if “Digital Audio Out” or “MPEG-2” Digital Out” are set to “BITSTREAM” in the Audio options of the setup menu (see page 16).
 - The simulated surround effect depends on the disc contents.
 - You can also press the **3D Surround** key on the front panel to switch “On” or “Off” the function.
 - This technology is manufactured under license from Desper Products Inc.
 - “SPATIALIZER[®]”, “N-2-2[™]” and the “Circle in square” are Trademarks owned by Desper Products Inc.



Audio language (for DVDs)

- With some discs, it is possible to change the language of a film and its subtitles. Two coloured keys (and) on your remote control offer easy access to this function while viewing.
- Some DVDs provide a disc menu. Temporary change of languages (audio, subtitles) may also be possible by pressing the **menu** key (19) during playback.
- All the changes (audio, subtitles) return to the player's initial settings after the disc is removed or power is switched off.



A movie or video programme may be recorded in more than one language (up to 8) on the disc. So you can hear the dialogue in your own language (if available) or in the original language of the movie. Set-up, page 5. You have to perform either **A** or **B** setting.

A - Using the player info display.

- 1 Press **PLAY** (27) to start playback.
- 2 Press the red key (8); the audio display appears on-screen with (possibly) the abbreviation of the language and the corresponding audio format.
- 3 Select a language with the $\wedge \vee$ arrows (14, 17).
- 4 To exit the Audio display, press the red key (8).
 - Press **clear** (25) to remove the banner without making changes.



Example

B - Using the Disc Menu (if available).

- 1 Press **PLAY** (27) to start playback.
- 2 Press the **menu** key (19); the menu of the disc appears on-screen with (possibly) the Audio languages for dialogues available on that particular DVD disc.
- 3 Select the desired language with the $\langle \rangle$ arrows (18, 16), $\wedge \vee$ arrows (14, 17), then press **ok** (15) to confirm.



Subtitle languages



- With some discs, it is possible to change the language of a film and its subtitles. Two coloured keys (⏮, ⏭) on your remote control offer easy access to this function while viewing.
- Some DVDs provide a disc menu. Temporary change of languages (audio, subtitles) may also be possible by pressing the **menu** key (19) during playback.
- All the changes (audio, subtitles) return to the player's initial settings after the disc is removed or power is switched off.



Subtitles on / off (for DVDs)

- 1 Press **PLAY** (27) to start playback.
- 2 Press the green key (9); you see the subtitles display on-screen with (possibly) the abbreviation of the language.
- 3 Use the arrows (18, 16) to highlight "On".
- 4 Use the (18, 16) arrows to switch "On" or "Off" the subtitles.
- 5 To exit subtitle display press the green key (9).
 - If the abbreviation of the language is not available "****" appears on the screen
 - Press **clear** (25) to remove the banner without making changes.



Subtitle language (for DVDs)



Subtitles in many languages (up to 32) may be recorded on a DVD. See pages 17-18 how to define your preferred language. You have to perform either **A** or **B** setting.

A - Using the player info display.

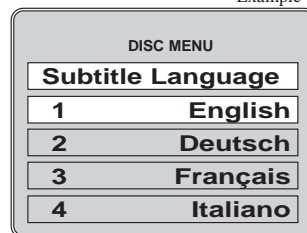
- 1 Press **PLAY** (27) to start playback.
- 2 Press the green key (9); the subtitle display appears on-screen with (possibly) the abbreviation of the language.
 - When no subtitles are recorded, "****" will be displayed instead of the languages abbreviation.
- 3 Select another language number with the arrows (14, 17).
- 4 To exit subtitle display press the green key (9).
 - Press **clear** (25) to remove the banner without making changes.



B - Using the Disc Menu (if available).

- 1 Press **PLAY** (27) to start playback.
- 2 Press the **menu** key (19); the menu of the disc appears on-screen with (possibly) the subtitle languages available on that particular DVD disc.
- 3 Select the desired language with the arrows (18, 16), arrows (14, 17), then press **ok** (15) to confirm.

Example




Angle / Zoom







Camera angle

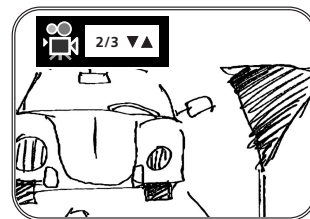
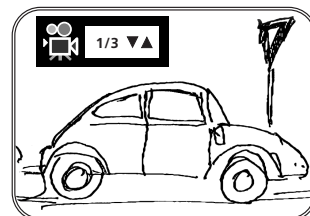


For DVDs

On a DVD, particular scenes of the movie may be recorded by the studio from various points of views (up to 9 camera angles), which you can select. If this option is available on the disc  appears on the TV screen and on the player's front display with **"On Screen Messages"** option selected (page 35).







- Each angle number corresponds to a different view angle.

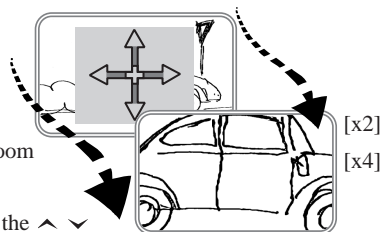
- 1 Press **PLAY** (27) to start playback.
- 2 Press the violet  key (13); the angle display appears on-screen.
- 3 Select a camera angle number, with the   arrows (14, 17).
- 4 To exit angle display, press the violet  key (13).
 - Press **clear** (25) to remove the banner without making changes.
 - If you selected the **"On Screen Messages = Off"** in the player set up menu (see p. 35), the camera icon will not appear to let you know that multiples angles are available.



Zoom

For DVDs and Video CDs

- 1 Press **PLAY** (27) to start playback.
- 2 Press the **ZOOM**  key (31) of the remote control:
A square will appear on the screen indicating the zoom area.
- 3 Select the part of the scene you want to zoom, with the   (14, 17) or   (16, 18) arrows.
- 4 When the selection box is over the area you want to view, press **ok** (15) to zoom in:
 - For DVDs, by pressing **ok** (15) repeatedly, you zoom-in x2 times / x4 times / X2 times / back to normal.
 - For video CDs, by pressing **ok** (15) repeatedly, you zoom-in x2 times / back to normal.
- 5 To return to normal view again, press **ZOOM**  key (31) once or twice depending on the current setting.



This function also works in Pause and Slow motion modes.

Repeat Play



Repeat play (for DVDs and Audio CDs)

Repeat the current track, chapter, title, a chosen section (**A-B**) or the whole disc.

- 1 Start playback with the **PLAY** key (27).
- 2 Press **repeat** (7) on the remote control. The “Repeat” screen displays the current status. The Front Panel Display also indicates the status.
- 3 Select “Chapter”, “Title”, “Disc”, or “A-B” using the <> arrows (18, 16).
- 4 Press **ok** (15) to start playback.
- 5 To return to normal play, press **repeat** (7) again, then press the arrows <> (18, 16) to select “Off”, and press **ok** (15).

DVD



CD



Repeat functions remain active until you turn them off, open the disc tray or turn off the power.

Repeating sections between point A and point B.

- 1 Start playback using **PLAY** key (27).
- 2 Press **repeat** (7). Select **A-B** on screen with the <> arrows. Letter “A” is displayed in yellow.
- 3 Press **ok** (15) at the point where you want the repeat play to start (point **A**). Letter “B” is displayed in yellow.
- 4 Wait few seconds before pressing again the **ok** (15) key to mark the end of the scene to be repeated (**B** point). “A-B” is displayed in yellow, repeat play starts.
 - To define the “B” point of the (A-B) section, the player must be in Normal play mode. Do not use “REV key (26) or FWD key (28)”, otherwise “A-B” Repeat mode will be lost.
 - If the title or track is completed before marking the end **B**, the end of title or track automatically becomes **B**.
 - Repeat play only works with discs that show the elapsed time on the display.
 - It may not work correctly with some discs (Video CD, with PBC, Menu “On” mode).

Repeat CD's with TV Off

For CDs, follow the steps below with the TV turned off.

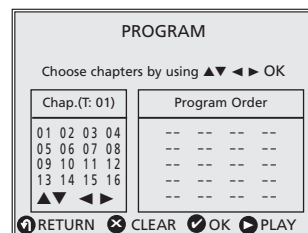
- To repeat the track that is playing, press **repeat** (7) twice.
- To repeat the disc that is playing, press **repeat** (7) three times.
- To set an **A-B** repeat, press **repeat** four times. Press **ok** to set the starting point of the segment. Let the disc play to the **B** point, then press **ok** again.
- To cancel the repeat, press **clear** (25).

Programme Play



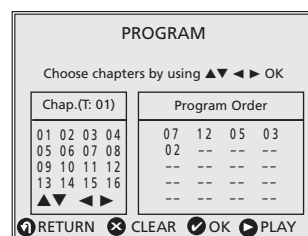
Programme play (for DVDs and Audio CDs)

- 1 If a disc is playing, press **STOP** (29).
 - Program playback lets you set up a specific order for DVD / Audio CD / Video CD playback up to 20 chapters / tracks.
 - Program playback is not available when you play Video CD in PBC mode when Video CD Menu is "ON" mode (see p. 33).
- 2 Press **prog / random** (3) on the remote control.
- 3 Use the $\wedge \vee$ (14, 17) arrows to select "Program".
- 4 Press **ok** (15) to confirm. The "PROGRAM" menu appears.
- 5 Use the $\langle \rangle$ (18, 16), $\wedge \vee$ (14, 17) arrows to highlight the first chapter / track to add to the program and press **ok** (15). The selected chapter / track appears in the program order box.
- 6 Repeat Step 3 for each chapter to add to the program.
 - This function may not work correctly with some discs.
- 7 Press **PLAY** (27) to begin playing the program.
 - To resume normal playback, press **clear** (25) and then press **PLAY** (27).



With DVD

- The player will automatically determine whether to do CHAPTER programming or TITLE programming.
- If there is only 1 title on the DVD disc, then it will do chapter programming.
- If there are 2 or more titles on the DVD disc:
 - if all titles contain only 1 chapter each, then it will do title programming.
 - if at least one title contains more than one chapter, then it will choose the first title with the largest number of chapters and do chapter programming on that title.



Deleting programmed items (chapters / tracks)

- 1 To remove the last chapter / track that was added to the program, press **clear** (25). Each subsequent press of **clear** (25) deletes the next chapter / track in the opposite order the chapters / tracks were programmed.
- 2 All programmed chapters / tracks are deleted when the disc is removed or the DVD player is turned off.
 - The only way to clear all items at once during PROGRAM MODE is to press **clear** (25) while in the STOP mode, or even during PLAY when there is no OSD present.

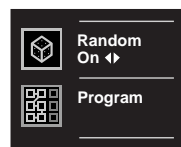
Random Play



Random play (for DVDs and Audio CDs)

Your player can play the tracks on the disc in random order.

- 1 If a disc is playing, press **STOP** (29).
- 2 press **prog / random** (3) on the remote control, the “**PROGRAM / RANDOM**” menu appears.
- 3 Use the <> (18, 16) arrows to select “**Random On**”.
- 4 Press **ok** (15) to confirm and start random playback.



To clear Random play

- 1 If a disc is playing, press **STOP** (29).
- 2 Press **prog / random** (3) on the remote control, the “**PROGRAM / RANDOM**” menu appears.
- 3 Use the <> (18, 16) arrows to select “**Random Off**”.
- 4 Press **ok** (15) to confirm.
 - If you play a video CD with “**PBC**” menu mode (p. 33), random play is not available.



Playing MP3 CDs



What's MP3?

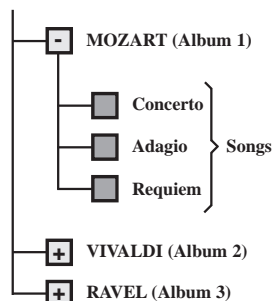
MP3 is a format for storing digital audio. MP3 is used mostly for music distribution on the internet. If you have downloaded MP3 files from the internet onto a CD-R, you can play that CD-R on your DVD player.

MP3 files recording

MP3 files should have been recorded beforehand on the CD-R disc with your Personal Computer by using two levels maximum of the file system.

- **1st Level** = Album names

- **2nd Level** = Song names of the album

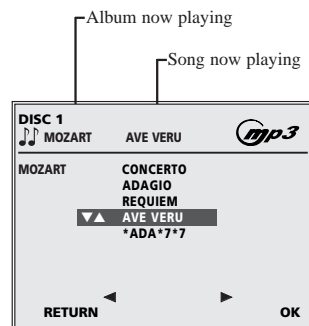


MP3 CD Playback

When you play an MP3 disc, the MP3 menu will be displayed instead of the DVD player menu. The DVD player menu is not available when playing MP3 discs.

MP3 content is divided into album (s) and songs. A disc may hold several albums and each album can contain several songs. (Similar to titles and chapters on a DVD disc.)

- 1 Use the **^** **v** (**14**, **17**) keys on the remote to select an album and press **ok** (**15**) to select that album.
- 2 A list of the songs in that album will be displayed. If you want to play a particular song, use the arrow **^** **v** (**14**, **17**) keys on the remote to highlight a song and press **ok** (**15**) to play that song.
- 3 If you are in a song list and want to return to the album list, press **return** (**20**) to return to the previous menu screen.



* = Unknown character
(8 characters MAX)

Skipping songs

During playback to skip to next or previous song on a MP3 CD:

- Press **▶▶** **||** **◀◀** (**21**) repeatedly to go to the next or previous song; press as many times as the number of required song skips (wait a few seconds between each press).

Video CD special



Video CD: Using Playback Control (PBC) menu

Some video CDs (version 2.0 with playback control, "PBC" written on the disc or its case) offer scenes or information to be selected interactively via menu screen. This menu appears after the disc is loaded (or after **PLAY** (27) or **menu** key (19) is pressed).

Some video CDs (vers. 2.0) with PBC may not have a menu on-screen and may behave like a video CD vers. 1.1.

- 1 Press **PLAY** (27) to start playback.
- 2 Choose a menu item with the **number** key (24).
 - Depending on the disc, the menu may extend over more than one screen. To see the other screens, use the **|◀◀ / ▶▶|** skip keys (21).
 - Some discs displaying a menu at start up will automatically go in to play mode if nothing is changed on the menu after a certain period of time.
- 3 Press **PLAY** (27) to start playback.
 - To return from playback to the menu, press **return** (20).
- 4 Press **STOP** (29) to stop playback and remove the menu.
 - Complete stop is obtained by pressing **STOP** key (29) twice.
 - Even after the player has finished playing a programme, the disc may continue to rotate while the menu is displayed. When no further selections are to be played, press **STOP** (29) to exit the menu.
 - During playback, press yellow **info** key (10): info strip is displayed on-screen (level 1).

Pedigree dogs	
1	Collie
2	Terrier
3	Bobtail
4	Shepdog
5	Husky

Video CD: Audio Channel Selection

- 1 Press **PLAY** (27) to start playback.
- 2 Press red **key** (8) in order to display the Audio channel information on-screen.
- 3 Select "**Stereo**", "**Right**" (Right channel) or "**Left**" (Left channel) with the **^ v** arrows (14, 17).
- 4 To exit Audio channel information display, press red **key** (8).



When playing a Video CD Vers.2.0 in menu "**Off**" mode or a Video CD Vers 1.1:

If a track exceeds 15 minutes, when you press the **|◀◀ / ▶▶|** key (21), the program moves forward / backward by 5 minutes steps.

Display Options

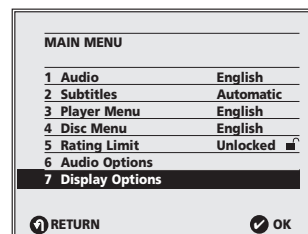


From the display options menu you will access to all the special settings. Follow these instructions:

- 1 If a disc is playing, press **STOP** (29).
- 2 Call the “**MAIN MENU**” with the **menu** key (19).
- 3 Select “**Display Options**” with key number **7** (24).
- 4 Move to item with $\wedge \vee$ (14, 17) arrows then use **ok** (15) to confirm a selection or select with **number** key (24).

- 1 Screen Format: (4x3 PS, 4x3 LB, 16x9).
- 2 Still State: (Field, Frame, Auto).
- 3 On Screen Messages: (On / Off).
- 4 Display Brightness: (Bright, Dim, Auto Dim).
- 5 Black Level: (Light, Normal).
- 6 NTSC Disc Output: (Pal 60 Hz, NTSC).
- 7 SCART Output: (Video, S-video, RGB).

Underlined options are default settings (ex: factory).



- 5 Choose a setting with $\leftarrow \rightarrow$ (18, 16) arrows or with the **ok** (15) key.
- 6 Use **return** key (20) to go back to previous menu.

1 - Screen Format (see pages 19-50)

2 - Still state

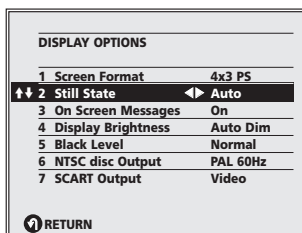
If the picture should flicker when you pause a DVD, try changing the still mode settings.

- 1 Select “**Still state**”; then select a value with $\leftarrow \rightarrow$ (18, 16) arrows.

- 1a “**Auto**”: let the player choose the best format for still picture: “**Frame**” for film or “**Field**” for video. However, it may sometimes be necessary to select manually to obtain the highest still picture quality.

- 1b “**Field**”: when still picture shakes (video material).
 - **Still field**: only one field (half of the video information) is displayed on the TV screen, so the apparent resolution is low. However, there is no blurring on the screen.

- 1c “**Frame**”: for clearer picture definition (film material).
 - **Still frame**: the two fields are displayed, alternately, on the TV screen, so the image is blurry. However, the image quality is better than field images.



Display Options



3 - On-screen messages

You can decide whether the on-screen messages and icons appear in the left corner of the TV screen (Play, Pause, Angle icon, search speed indicators).

- 1 Select **"3": "On Screen Messages"**.
- 2 Make your selection, **"On"** or **"Off"** with **<>** (**18**, **16**) arrows.

DISPLAY OPTIONS	
1 Screen Format	4x3 PS
2 Still State	Auto
↑↓ 3 On Screen Messages	◀ On ▶
4 Display Brightness	Auto Dim
5 Black Level	Normal
6 NTSC disc Output	PAL 60Hz
7 SCART Output	Video
RETURN	



4 - Front display panel brightness

According to the room and the ambient light you may have to adjust the Display Brightness of the player.

- 1 Select **"4": "Display Brightness"**; then select with **<>** (**18**, **16**) arrows:
 - 1a **"Bright"**: if you want to get the player display brightly illuminated.
 - 1b **"Dim"**: to get the player display dimly illuminated.
 - 1c **"Auto Dim"**: to let the player dim the display automatically during DVD or Video CD playback.

DISPLAY OPTIONS	
1 Screen Format	4x3 PS
2 Still State	Auto
3 On Screen Messages	On
↑↓ 4 Display Brightness	◀ Auto Dim ▶
5 Black Level	Normal
6 NTSC disc Output	PAL 60Hz
7 SCART Output	Video
RETURN	

5 - Black level adjustment (only for video and S-video)

Films are made originally to be watched in a very dark environment (e.g.: movies theaters). When watching them at home, some scenes may be too dark for some details.

- 1 Select **"5": "Black level"**; then select with **<>** (**18**, **16**) arrows:
 - 1a **"Light"**: to improve the contrast.
 - 1b **"Normal"**: to keep default setting (ex Factory).

DISPLAY OPTIONS	
1 Screen Format	4x3 PS
2 Still State	Auto
3 On Screen Messages	On
4 Display Brightness	Auto Dim
↑↓ 5 Black Level	◀ Normal ▶
6 NTSC disc Output	PAL 60Hz
7 SCART Output	Video
RETURN	

6 - NTSC Disc Output (see page 20)

7 - SCART Output (see page 20)

Audio Options

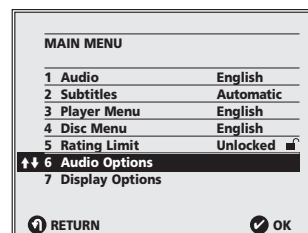


- 1 If a disc is playing, press **STOP** (29).
- 2 Call the “**MAIN MENU**” with the **menu** key (19).
- 3 Select “**Audio Options**” with key number **6** (24).
- 4 Move to item with **^** **v** arrows (14, 17) then use **ok** (15) to confirm a selection or select with number key (24).

- 1 Digital Output: PCM / Bitstream.
- 2 MPEG-2 Digital Out: PCM / Bitstream.
- 3 DTS: On / Off.
- 4 Dynamic Compression: On / Off.
- 5 2X Playback Audio: On / Off.
- 6 Speakers

Underlined options are default settings (ex: factory).

- 5 Select a value with **<** **>** (18, 16) arrows.
- 6 Use **return** key (20) to go back to previous menu.



1 - Dolby Digital Out (see page 16)

2 - MPEG-2 Digital Out (see page 16)

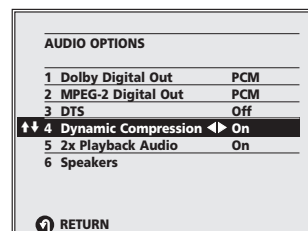
3 - DTS (see page 16)

4 - Dynamic Compression

This function, designed for late-night viewing without disturbing neighbours, reduces the soundtrack's dynamic. **This function only works with Dolby Digital DVD soundtracks.**

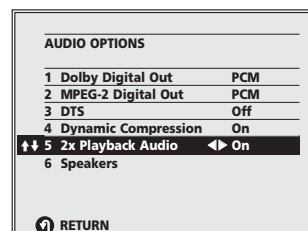
- 1 In “**MAIN MENU**”, select “**6**”: “**Audio Options**”.
- 2 Select “**4**”: “**Dynamic Compression**”.
- 3 Make your selection, “**On**” or “**Off**” with **<** **>** (18, 16) arrows.

- **Off**: Normal audio range is selected.
- **On**: Select this setting to enjoy listening to the full dynamic range of the audio track even with a low volume, when you want to listen to a movie's dialogue without having to turn the volume up (Factory setting).



5 - 2x playback Audio (for DVDs)

- 1 In “**AUDIO OPTIONS**” menu, select “**5**”: “**2x Playback Audio**”.
- 2 Make your selection, “**On**” or “**Off**” with **<** **>** (18, 16) arrows.
 - No sound will be heard on discs with LPCM or DTS during 2x Playback.



Speakers



Speaker setting is required only if you use the 6 cinch jacks on the rear of the DVD player. In that case, the Dolby Digital / MPEG-2 decoder sends a decoded 5.1 signal to the amplifier (for further information, refer to figures 3 and 5 on pages 14-15). Speaker setting is required only at installation.

System audio quality



Depending on the amplifier and connected speakers, confirm your set-up with the menu below. Refer to pages from 13 to 15 for connections.

This interactive menu page allows you to,

- Select the speakers you have connected.
- Adjust their audio volume and respective delay.
- Configure all the decoding values for the Dolby Digital and audio multichannel MPEG 2 for your speakers.
- Display the room with the position and number of speakers (including the subwoofer).
- Choose the size and quality of your speakers by clicking twice on each speaker (function available for Dolby Digital DVD discs only).
- Adjust the delay between the front and surround speakers, and for the central speaker according to its position compared to the front speakers.
- Test the setting by running a test sound ("pink noise").

If you do not have the 5 recommended speakers (+1: the Subwoofer) for multichannel surround sound,

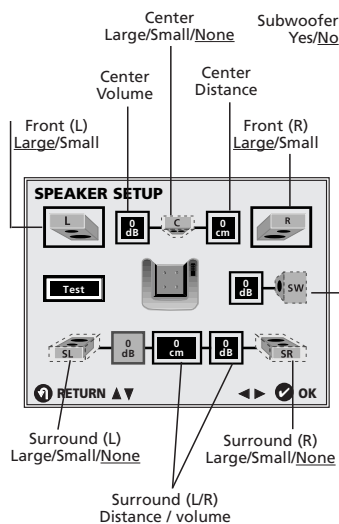
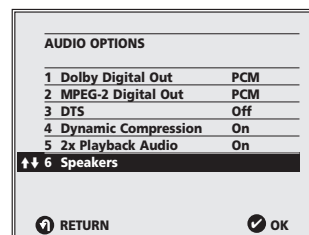
- Click twice on the icon corresponding to your missing speakers (subwoofer and/or surround speakers): they disappear from the screen. Multichannel sound will now be distributed across the remaining speakers. As you purchase more speakers, you can re-activate them one by one.

Speakers



Speaker setting principle

- 1 If a disc is playing, press **STOP** (29).
- 2 Call the “**MAIN MENU**” with the **menu** key (19).
- 3 Select “**Audio Options**” with key number **6** (24).
- 4 Select “**Speakers**” with key number **6** (24).
- 5 Move to the items using the arrow keys **<>** (18, 16), **^v** (14, 17) and press **ok** (15) to confirm.
- 6 Select the value to be adjusted with the **^v** (14, 17) arrows and press **ok** (15) to confirm.
- 7 To save your settings when you have finished, press **return** key (20). (Otherwise, all original settings are restored.)
In this case, the “**Audio Options**” menu is displayed.
- 8 To exit “**MAIN MENU**”, press twice **return** (20).



↷ Underlined item is the factory setting.

Speaker icons display and size

- If the speaker is connected, display the corresponding icon on-screen. If it is not connected, delete the icon.
- If the speaker restores low frequencies (<100 hz), select the large icon.
- If the speaker provides poor quality at low frequencies (<100 hz), select the smaller icon.
- If the subwoofer is not connected, select the large icon for the front speakers (LH/RH).

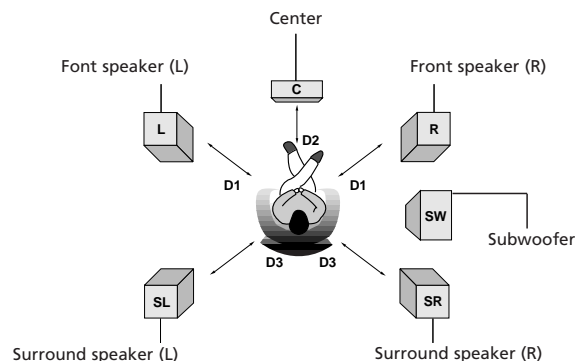
Note: The setting speaker icons' size (large/small) has no effect on DVD discs in Audio Multichannel MPEG 2.

Speakers



Delay between speakers

- Delay settings allow you to adjust the virtual space between front and rear speakers. This means you can reproduce the sound space of a movie in your home.
- If the surround speakers or the central speaker cannot be installed at the same distance from the listening position as the front speakers, change the delay to obtain a better surround effect.
- If the distance (D2) from the listening position to the central speaker or the distance (D3) from the listening position to the surround speakers is greater than or equal to the distance (D1) from the listening position to the front speakers, no adjustments are required. Otherwise, adjust the settings according to the chart below:



Speaker	Delay time	Distance between D1 and D2/D3
Central speaker (D2)	1.3 ms	approx. 50 cm
	2.6 ms	approx. 100 cm
	3.9 ms	approx. 150 cm
	5.3 ms	approx. 200 cm
Surround speakers (D3)	5.3 ms	approx. 200 cm
	10.6 ms	approx. 400 cm
	15.9 ms	approx. 600 cm

Volume setting amongst speakers

When listening to the test signal, adjust the volume of the central, surround (LH), surround (RH) speakers and the sub-woofer so that their volume is equal to that of the front speakers.

To play the test signal

- 1 Select the "TEST" box with arrow keys **<>** (18, 16), **^v** (14, 17) arrows and press **ok** (15) to confirm. The test signals will be played in each speaker in a clockwise direction.
- 2 When the audio signal is played on a speaker, select the appropriate volume level for that speaker from (-6 dB) to (0 dB)* with the **^v** (14, 17) arrows.
- 3 Confirm the selected volume level with **ok** (15). (Test signals stop.)

* 6dB corresponds to a power increase or reduction by 4 (3dB, by 2).

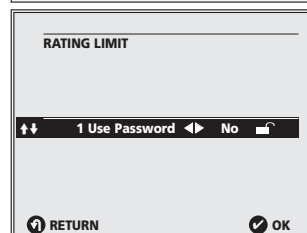
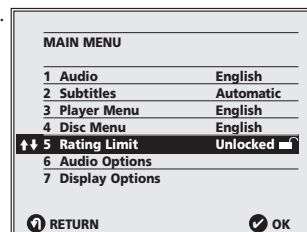
Rating limit



Rating (for DVDs)

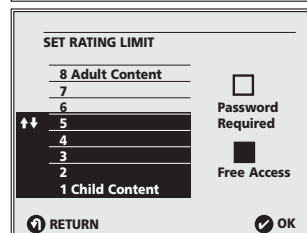
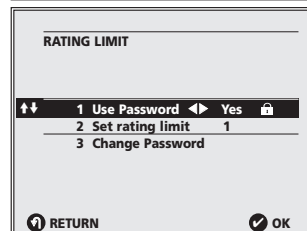
This feature allows you to control the type of discs or programmes your family can watch. If some discs contain information, or scenes which exceed the rating limit you have set, they will not be played. There are up to 8 Rating levels. This function only works with DVDs that have been assigned a rating limit by the publisher and, therefore, it is disc-dependent.

- 1 If a disc is playing, press **STOP** (29).
- 2 Call the "MAIN MENU", with the **menu** key (19).
- 3 Select "Rating Limit"; press key number **5** (24). The parental screen appears.
- 4 Use **<>** arrows to select "Yes" if you want to use a password to lock the player. The "CREATE PASSWORD" screen appears.
- 5 Choose a personal 4-digit password and enter it with number keys. The "Re-enter Password" screen appears to confirm the password. Enter your password again. The "Rating limit" screen appears.



Rating Level selection

- 6 To select the "Rating Level", press key number **2**. The "SET RATING LIMIT" screen appears.
- 7 Set the Rating Limit you want with the arrows **^v** (14, 17) and confirm with **ok** (15) to permit or prohibit playback of unsuitable scenes or adult programmes.
 - Level "8" allows all titles to be played whereas level "1" will be the most restrictive for children, for example. eg: if you select level "5", any disc or any scene containing a higher level than your setting will not play unless the correct password is entered.
 - The closed padlock icon shows that the setting is now locked.
- 8 To exit **MAIN MENU**, press **return** key (20) twice.

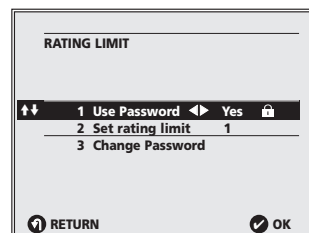


Rating limit



Player unlock and Rating Level cancellation

- 1 If a disc is playing, press **STOP** (29).
- 2 Call the **"MAIN MENU"**, with the **menu** key (19).
- 3 Select **"Rating Limit"**; press key number **5** (24). The **"PASSWORD CHECK"** screen appears.
- 4 Enter your 4-digit password.
The **"RATING LIMIT"** screen appears.
- 5 Use **<>** arrows (18, 16) and select **"No"** in the menu **"Use Password"** (line # 1).
- 6 To exit **"MAIN MENU"**, press **return** key (20) twice.



Password change

- 1 Proceed with step 1 to 4 as described above.
- 2 Press key number **3** (24). The **"Change Password"** screen appears.
- 3 Enter your new 4-digit password. Confirm by re-entering your new 4-digit password again.
- 4 To exit **"MAIN MENU"**, press **return** key (20) twice.

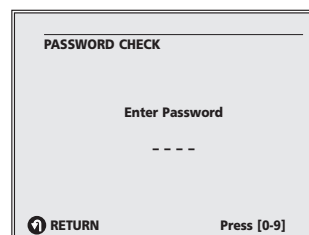
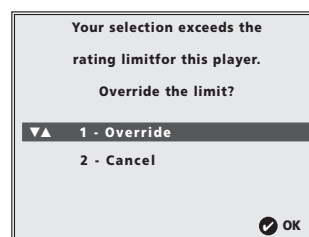


Overriding the Rating

For DVDs

If you have previously set a rating limit, playing some discs may display this screen:

- 1 Choose **"Override"** with the **^v** (14, 17) arrows and press **ok** (15) to confirm.
- 2 Enter your 4-digit password and press **ok** (15) to confirm.
 - Not all DVD discs include rating information that make the rating system work, though the printings on their case may say that they are **"for adults only"**. Consequently disc without information will be played even if the player is locked with a code.
 - If you have forgotten your password, please check in the [Trouble shooting guide](#) at the end of this manual (page 46).



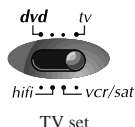
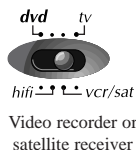
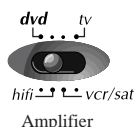
Universal remote control




Universal remote control setting

You have the option to set your remote control to control your video-recorder, TV set, satellite receiver or amplifier. This enables you to control your video devices with a single remote control.

- 1 Place the switch **dvd • hifi • vcr/sat • tv** on the device you want to control.



- 2 Look for the 3-digit code of your device's brand in the table of brands on the next page (Highlight it with a pencil, for example).
- 3 Hold the **menu** key (19) down and key in the 3-digit code corresponding to the make of your TV set. Depending on your TV set model, it may be necessary to try several of the proposed codes.
- 4 Release the **menu** key (19).
 - Try to operate the device by switching it **on / off** with the  key.
 - If it does not work, repeat from step 2 with another 3-digit code.



- Not all TV, VCR, satellite receiver, amplifier models can be operated with this universal remote control.
- Try out which functions you can control with the remote control.
- Try to find the most efficient code for your brand (for brands with several codes).
- If you have replaced the batteries of the remote control, perform the remote control set-up again.



Universal remote control





To control other devices

This remote control allows you to control your video-recorder, TV set, satellite receiver or amplifier. Make sure you set the remote control for the device you want to control.


To control TV Sound or Amplified HiFi Sound whatever the switch position (**dvd**, **vcr/sat**).

- Press on **menu** (19), then enter "999" to control tv sound.
- Press on **menu** (19), then enter "990" to control HiFi sound.

 TV Sound level.


 TV Mute (sound off)

TV control



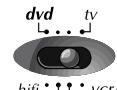
hifi \leftrightarrow vcr/sat

HiFi control





hifi \leftrightarrow vcr/sat


Video or satellite control

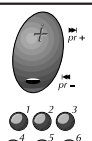



hifi \leftrightarrow vcr/sat





 To switch your set on and off (stand-by).



 Menu controls or special functions.


 To select programmes.


 To select the AV input.

 ZOOM REC vcr

 PLAY

 REV
  FWD

 STOP

 PAUSE

To stop the recording. (VCR only)

To start playback or recording.

For rewinding or fastforwarding (after STOP) and visual search (while playing) in both directions.

To stop.

For a still.

- While in "tv" position, the transmission mode of **PLAY**, **STOP**, **REV**, **FWD**, **REC**, and **PAUSE** depends on the previously selected mode: "dvd" or "vcr". I. e. if switched over from "vcr" to "tv", the keys will control the video. Even if the switch is in TV position, the keys control the DVD player. Other keys offer different functions according to your devices.



Universal remote control



Brand codes information

List of TV brands

Code	
Akai	.008, 020
Akari	.028
Bang & Olufsen	.009, 019
Blaupunkt	.023
Bluesky	.020
Brandt	.000, 001, 010, 020
Brionvega	.019
CGE	.016
Continental Edison	.004
Daewoo	.020, 025
Elbe	.005, 015, 023
Ferguson	.000, 001, 003, 004, 010, 020
Finlux	.019, 020, 024
Fisher	.008
Formenti	.019
Goldstar	.020
Grundig	.016, 023, 024
Hitachi	.007
Imperial	.016
JVC	.013
Kneissel	.020, 025
Loewe	.020
Loewe opta	.019, 020
Luxor	.005
Metz	.013, 019, 023
Mitsubishi	.017, 018, 020
Mivar	.016
Nokia	.005
Nordmende	.000, 001, 010, 020
Orion	.005, 020
Panasonic/National	.005, 012, 026
Philips	.019 - 021
Phonola	.019 - 021
Pioneer	.001, 005
Polytron	.020, 027, 029
Radiola	.019 - 021
Radiomarelli	.019
Rex	.005
Saba	.000, 001, 005, 010, 019, 020
Salora	.005
Samsung	.020, 030
Sanyo	.008, 018
Schaub-Lorenz	.005, 016, 020
Schneider	.019 - 021
Seleco	.005
Sharp	.018, 022
Siemens	.023
Singer	.001, 002, 019
Sinudyne	.019
Sonitron	.008
Sony	.014, 018

Teleavia	.001, 010, 020
Telefunken	.000, 001, 002, 010, 020
Thomson	.000, 001, 002, 010, 020
Toshiba	.006, 016, 018, 024
Wega	.019
Yokan	.020, 025
Yoko	.020

List of Video Recorder brands

Code	
Aiwa	.167, 168
Akai	.103 - 107
Blaupunkt	.108, 109, 162
Brandt	.101, 102, 112, 156
Daewoo	.140 - 147
Ferguson	.101, 102, 112, 153, 155-157, 160
Fisher	.135 - 137
Funai	.130
Goldstar	.123, 134
Grundig	.161, 169, 170
Hitachi	.110, 112, 122, 123
JVC	.106, 110 - 113, 171
Mitsubishi	.148, 149
NEC	.139
Nokia	.103, 110, 135, 138
Nordmende	.101, 102, 112, 154 - 158
Orion	.124 - 129
Panasonic	.108, 109, 162
Philips	.161 - 166
Radiola	.161 - 166
Saba	.101, 102, 112, 153, 155 - 158
Samsung	.133
Sanyo	.119 - 121
Schneider	.161 - 166
Sharp	.131, 132
Sony	.115 - 118
Teleavia	.101, 112, 155, 156, 102
Telefunken	.101, 102, 112, 155, 156, 159
Thomson	.101, 102, 112, 154, 156 - 158
Toshiba	.110, 111, 114

If you do not find the brand of your video recorder or TV, you may succeed with codes from other brands.

All rights reserved as regards to code list modification.



Universal remote control



Brand codes information

List of satellite receiver brands

Code	
Akai	.301
Alba	.302-309
Aldes	.310
Amstrad	.315-321
Arcon	.322-326
AST	.327-330
Astra	.331-336
Astro	.337, 339, 340
BT Satellite	.341
Bush	.342
Canal Satellite	.442
Cambridge	.343
Chaparral	.344
Citycom	.345
Clatronic	.346
Connexions	.349-350
Drake	.351
Echostar	.352-354
EEC	.355
Europa	.356
Ferguson	.357-361
Finlux	.362-364
FTE	.365-366
Fuba	.367-369
Galaxis	.370
Goldstar	.371
Goodmans	.372
Grundig	.338, 374, 376
Hanseatic	.377
Hirschmann	.378-382
Hitachi	.383

Huth	.384, 385
ITT	.386, 387
Kathrein	.388-391
Lasat	.392-396
Lenco	.397
Matsui	.398
Micro Technology	.399
Morgans	.401
Nokia	.404, 405
ON Digital (Pace)	.454
Orbitech	.406, 407
Pace	.408-412
Philips	.373, 375, 413-423, 450
Prosat	.424
Radix	.348, 451
Revox	.400
Saba	.446-448
Sagem	.443
Salorat	.425, 426
Sentra	.444
Sky Digital	.452
Strong	.427
Tatung	.429
Technisat	.430-433
Thomson	.445, 453
Thorens	.434
TPS	.443
Uniden	.435, 436
Via Digital	.453
Wisi	.437-440
Xsat	.449
Zehnder	.441



List of HiFi Amplifier brands

Code	
Denon	.502, 515
Harmon Kar	.516
Harmon Kardon	.503
JVC	.517
Kenwood	.505, 506, 518
Marantz	.507, 519, 520
Onkyo	.501
Pioneer	.508, 521, 522
Sony	.509, 514, 523
Thomson	.500, 511
Technics	.513
Yamaha	.510, 512


List of Laser Disc brands

Code	
Denon	.221
Hitachi	.222
Mitsubishi	.223
Philips	.224
Sony	.225, 226
Thorn	.228
Pioneer	.229

Appendix: troubleshooting



Before requesting service (troubleshooting)

Symptom	Remedy	Page
	Power	
No power?	<ul style="list-style-type: none"> Correctly connect the AC Power Cord to an AC Outlet. 	5
Power is switched off automatically?	<ul style="list-style-type: none"> If the player is not used, i.e. no key pressed for 30 minutes, it automatically switches to standby (Auto Power Off). Press the  or STANDBY key to switch the player on again. 	22-46
“Will not read disc” or other error message.	<ul style="list-style-type: none"> Turn the player off and unplug it to reset the DVD player. Wait approximately 2 minutes, plug the player back in and turn it on. 	
The keys do not activate the functions they control (player and / or remote control).	<ul style="list-style-type: none"> Wipe the disc clean. Set the STANDBY to OFF and back to ON again. Alternatively, turn off the player, disconnect the power plug and then re-connect it. (The player may not be operating properly due to lightning, static electricity or some other external factor.) If keys still do not activate the functions they control even when the above mentioned corrective action has been taken, contact your THOMSON retailer. 	1
Cannot copy DVD discs to video tape?	<ul style="list-style-type: none"> This player is equipped with anticopy protection. 	13
	Video and Audio	
There is no picture?	<ul style="list-style-type: none"> Turn on the TV set. Check connections. Make the correct input selection on the TV set. 	5-12-13
The picture is distorted or shakes during search, forward or reverse?	<ul style="list-style-type: none"> Search, forward or reverse playback may generate a slight distortion, but this is not a malfunction. 	22
The picture shakes when still.	<ul style="list-style-type: none"> Select “FIELD” or “FRAME” in “Still state” selection. Check connections. 	34
There is no sound or it can hardly be heard?	<ul style="list-style-type: none"> Make the correct audio input selection and volume adjustment on the TV set or hifi system (amplifier or AV selector). There is no sound during a pause (still picture), still picture advance, or slow playback. 	14-16
No 3D-Virtual “Surround” sound?	<ul style="list-style-type: none"> Check the Audio Options in the Setup menu. 3D-surround does not operate with DTS Sound tracks of DVD discs & Audio CDs and with LPCM sound tracks of DVD discs. 	16-26
5.1 channel sound is not being reproduced.	<ul style="list-style-type: none"> 5.1 channel sound is reproduced only when the following conditions are met: : <ol style="list-style-type: none"> 1) The DVD player is connected with the proper amplifier 2) The disc has been recorded with 5.1 channel sound. Check whether the disc being played has the “Dolby 5.1 ch” mark on the outside. Check if your audio system is connected and working properly. 	
No audio.	<ul style="list-style-type: none"> Make sure you have selected the correct “Dolby Digital Out” in the “Audio Options” Menu. 	16-36
Noise interference appears on the TV, while watching a TV programme and the DVD player is left on?	<ul style="list-style-type: none"> Turn off DVD player. 	

Appendix: troubleshooting



Symptom	Remedy	Page
Remote Control		
The remote control does not work?	• Load the batteries and check that their polarities (+ and -) are correctly aligned.	4
	• Batteries are low. Replace with new ones.	4
	• Remove batteries and hold down one or more keys for several minutes to drain the microprocessor inside the remote to reset it. Reinstall batteries and try remote again.	7
	• Point the remote control to the front of the player.	7
	• Operate the remote control within an 8 m range from the player.	7
	• Remove any obstacles between the remote control and the red LED on the player.	7
The "⊗" icon appears on-screen?	• When "⊗" appears on-screen, it indicates that you have pressed the wrong key, because: <ol style="list-style-type: none"> 1. The DVD does not allow it. 2. The DVD does not propose this option /e.g., angles. 3. The function is not available on that part of the disc. 4. You have requested a title or chapter number or search time that is not available. 	
	• Not all models can be operated with the supplied universal remote control. Try with other brands' codes.	42-45
Playback		
Playback does not start when the PLAY key is pressed?	• Make sure that the disc (single sided) is loaded correctly with the title label facing up.	8-22
Playback stops immediately after the PLAY key is pressed?	• This player can play DVDs, Video CDs and Audio CDs only, check that your disc corresponds to one of these formats.	2
	• If the disc is dirty, wipe it with a soft and clean cloth.	1
	• Condensation occurred inside the player. Leave it at room temperature for 1 to 2 hours.	1
A screen informs you that the disc cannot be played.	• The disc's region No. differs from your player's region No.	2
A screen asks you if you want to override the player's rating level or make another programme selection.	• The initial rating setting in the set-up menu prohibits playing this DVD. Restriction level was defined in the player.	40-41
Search forward & reverse playback does not work?	• Some DVDs have segments where search forward & reverse playback functions do not work.	
The Video CD cannot display a menu?	• Only a Video CD with playback control (PBC) can display a menu.	33
No picture or the picture shown is not that of the DVD player.	• Switch off the other video device connected to the AV2 jack of the DVD player. • Make sure that the input setting for the TV is in audio / video (AV) position, e. g. AV 1, AV 2. • Check the SCART output selection for AV 1 (video / s-video / RGB).	20



Appendix: troubleshooting



Before requesting service (troubleshooting)

Symptom	Remedy	Page
	Subtitle (⏏), language (⏏), camera angle (⏏), etc. Disc menu operation and contents may differ from disc to disc. Please refer to the instructions accompanying the disc.	
There are no subtitles?	<ul style="list-style-type: none"> • Check that the subtitle is recorded on the disc. • Subtitles disappear from the TV screen. See how to display subtitles. 	27
Subtitle (or language) setting cannot be changed?	<ul style="list-style-type: none"> • The disc being played has been recorded in only one language. • Depending on the type of DVD, some segments limit language selection. 	27
You have forgotten your password to change the rating level?	<ul style="list-style-type: none"> • While in stop mode hold down STOP and PLAY keys of the player, in that order and simultaneously, for more than 3 seconds. The password lock will be released and all initial settings will return to the default values. Please note, that in this case you should switch the player OFF and then back ON again. You will see a choice of menu language to be re-set. After pressing the corresponding numeric key on the remote control, you will need to proceed with the other initial settings, as you did when you first installed the player. (set-up menu). 	40-41 5-17-18
The picture is not displayed in the correct format on the TV (4 x 3 or 16 x 9)	<ul style="list-style-type: none"> • According to your TV, make the correct "Screen format" setting in the set-up menu. 	19-50
The screen Ratio cannot be changed	<ul style="list-style-type: none"> • The screen Ratio may be fixed on your DVD disc. • Do not use zoom function on your TV, as parts of the picture and menu may be lost. 	28
No message on the screen?	<ul style="list-style-type: none"> • The setting of "On-Screen messages" is set to "Off". Set it to "On" in the "DISPLAY OPTIONS" menu. 	35
The camera angle cannot be changed with the angle "⏏" key?	<ul style="list-style-type: none"> • This function does not work when a DVD has not been recorded with a multi-camera angle system. Some DVDs use a multi-camera angle system only in certain portions of the DVD. 	28
The menu language is not the one you want?	<ul style="list-style-type: none"> • The menu language for your player has not been set during set-up. • Your preferred menu language on a DVD disc (if available) has not been set during set up. • The menu is not available in your language on the DVD disc. 	5-18 5-18 5-18
Audio (spoken) and / or subtitle language is not the one selected during the initial player set-up?	<ul style="list-style-type: none"> • If the audio or subtitle language is not available on the DVD disc, the language selected during initial player set-up will not be heard or seen. The disc's priority language (default language) is selected automatically. If you want another language, press audio "⏏" key and subtitle "⏏" key to select it temporarily for this disc (or press menu during playback, if the disc has its own language selection menu). 	26-27

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Appendix



Aspect ratios of the TV screen

Images which appear on the TV screen differ depending on the type of software and the TV set connected.

Type of software	TV set connected (Screen mode)			
	4:3	16:9 ("FULL" mode)	16:9 ("ZOOM" mode)	16:9 ("AUTO" mode)
For wide-screen 16:9 (foreseen in Pan & Scan) 	Right and left edges are cut off. <input checked="" type="checkbox"/> 	Full screen 	Top and bottom edges are cut off. 	Full screen <input checked="" type="checkbox"/>
For wide-screen 16:9 (not in Pan & Scan) 	Letterbox (with black bands at top and bottom). <input checked="" type="checkbox"/> 			
(4:3)	Full screen <input checked="" type="checkbox"/> 	Screen horizontally enlarged without deformation <input checked="" type="checkbox"/> 	Top and bottom edges are cut off. <input checked="" type="checkbox"/> 	Full screen (with black bands at left and right) <input checked="" type="checkbox"/>
(4:3, Letterbox)	Letterbox (with black bands at top and bottom) <input checked="" type="checkbox"/> 	Screen horizontally enlarged (with black bands at top and bottom) 	Full screen <input checked="" type="checkbox"/> 	Full screen <input checked="" type="checkbox"/>

(☒ = Recommended)

- The images which appear on the TV screen, and what each screen mode is called, may differ depending on the manufacturer of the TV set or on the type of the TV set. Consult the instruction manual provided with your TV set.

Appendix



Technical data

Power requirements: Power consumption:	AC 110V - 240 V, 50 Hz/60 Hz 18W (approx. 2,5 W when power is OFF)
Weight: Dimensions: Operating temperature range: Operating humidity range: Disc formats:	3,3 kg 430 x 89 x 280 mm (excluding protrusions) + 5 to + 35° C 10 to 75% (no condensation) (1) DVD-Video disc: PAL and NTSC 12/8 cm single-sided, single-layer 12/8 cm single-sided, double-layer 12/8 cm double-sided, single-layer 12/8 cm double-sided, double-layer (2) Compact disc Audio 12/8 cm disc (3) Video CD: PAL and NTSC 12/8 cm disc (4) S-Video CD (5) most CD-Rs and CD-RWs
TV set system:	PAL 50 - 60 Hz (PAL 625/50, PAL 525/60), NTSC or PAL 60 Hz capable TV set is required to play back NTSC discs.
Audio signal output characteristics:	(1) Frequency response: DVD linear audio 48 kHz sampling: 4 Hz to 22 kHz (EIAJ) DVD linear audio 96 kHz sampling: 4 Hz to 44 kHz (EIAJ) CD Audio: 4 Hz to 20 kHz (EIAJ) * (2) S/N ratio: 105 dB (EIAJ) * (3) Dynamic range: DVD linear audio: 100 dB (EIAJ) CD audio: 100 dB (EIAJ) * (4) Wow and flutter: below measurable limits * (5) Total harmonic distortion: less than 0.005%
Pickup:	Wave length: 655 nm, Laser power: CLASS 2 2 Laser diodes

* Nominal Specification.

- THOMSON Multimedia reserves the right to change the specifications without notice.
- Weight and dimensions are approximate.


Dear customer,

Please remember, that when this product will reach the end of its service life, you will be responsible for the special treatment it will be subjected to.

The fused plug (for **UK USERS** only)

A fused plug must be fitted with a 3A fuse approved by ASTA or BSI to BS 1362 and fuse covers must always be securely remounted.

If your set does not work, the fuse may be blown.

The  key (power stand-by) on the remote control does not completely disconnect the player from the mains supply, but switches operating power on and off.

